

LOCAL DIRECTORS MEETING
EVIT
October 26, 2004

Welcome	Milton D. Ericksen
ADE Announcements and Recognitions	Milton D. Ericksen
ACOVA Update	Tony Maldonado
ACTE Update	Patti Beltram
Notification of Intent 2006	Lila Kleinkopf

BREAK

Accountability Systems Team Breakout Session With Tech Prep

30 Minute Rotation (Choose 3 of 4)

1. 2006 CTE Program List Reflects Labor Market Information
Don Wehbey
2. Community Partnerships Support WorkKeys and NOCTI
Shawna Schneikart
Brenda Marietti
3. WIA Update / Governors Rural Economic Development Council
Jim Kooistra
4. When Do You Use NOI and When Do You Use Exemptions?
Marilee Johnson
Tony Maldonado

Career and Technical Education

Vision: Ensure a dynamic workforce by fully developing every student's career and academic potential.
Mission: Prepare Arizona students for workforce success and continuous learning.

Meeting Date Change

The January Local
Director meeting has been
changed to January 27,
2005, 8:30 am at:

The Prescott Resort

1500 Highway 69

Prescott, AZ 86301

Local Directors Meeting Dates

School Year 2004 - 2005



September 14, 2004 EVIT

October 26, 2004 EVIT

November 16, 2004 EVIT

January 27, 2005 Prescott, AZ

February 15, 2005 EVIT

March 22, 2005 EVIT

April 26, 2005 EVIT

Meetings at EVIT will be held at the following location:

**1601 W. Main Street
Culinary Arts Building
Mesa, AZ 85201**

480.461.4173 Main Office

Career and Technical Education

Vision: Ensure a dynamic workforce by fully developing every student's career and academic potential.

Mission: Prepare Arizona students for workforce success and continuous learning.

Approved by the CTE Advisory Committee
To the Arizona Board of Education
October 15, 2003

AST Breakouts By County

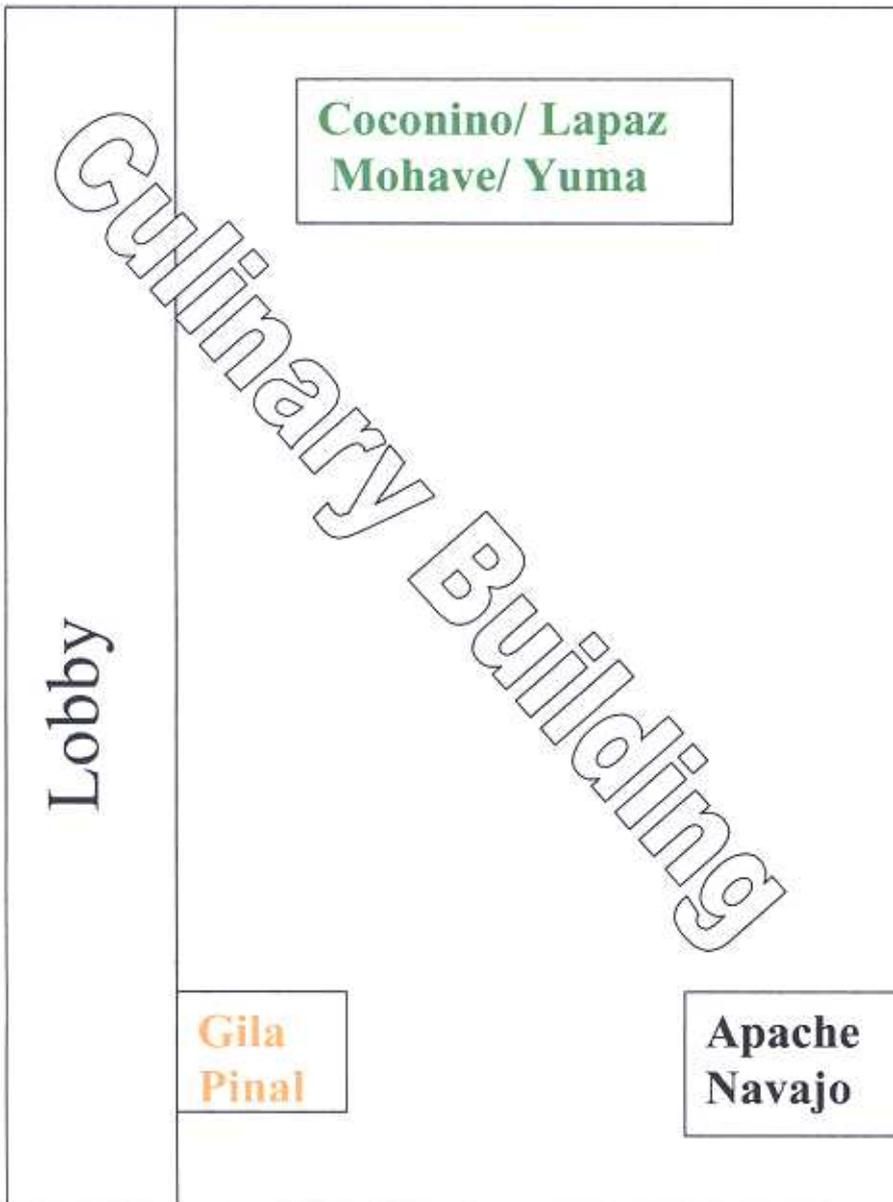
Lecture Hall →

Maricopa



Room
1160 →

Cochise
Graham
Greenlee
Pima
Santa Cruz



30 Minute Breakouts

Lecture Hall →

2006 CTE Program List Reflects Labor Market Information



Culinary Classroom →

Room 1160 →

Community Partnerships Support WorkKeys and NOCTI

When Do You Use NOI and When Do You Use Exemptions?

WIA Update / Governors Rural Economic Development Council

Lobby

Culinary Building

**Notification of Intent
Forms (NOI)**
for new CTE Programs
SY 2005-2006

Introduction

1. LEA BENEFITS
2. ADE/CTE PURPOSES
3. WHEN TO SUBMIT AN NOI FOR PROGRAMS
4. NEW PROGRAM OPTION SUBMISSION
5. NEW NOI FORMS
6. COMPLETE NOI FORMS
7. SECOND STAGE SUBMISSION
8. QUESTIONS

LEA Benefits

1. Approval to spend Basic Grant funds to start new CTE programs
2. Level III enrollment in new CTE programs receive state funding
3. Joint Technological Education Districts fund new approved programs

ADE/CTE Purposes

1. Provide technical assistance
2. Review Basic Grant applications
3. Assign birth dates to new programs
4. Assign sunset dates to replaced programs
5. Add (new or reapplying) school districts, BIA or charter schools to state and federal funding allocation process
6. Compare course enrollment with NOI records to generate funding reports

4

When to Submit an NOI for Programs

1. Start new CTE Program, Option or Level II course
2. Transition from existing to new program or option
3. Move or add existing program at new site
4. Level III enrollments for previous year were not reported
5. To determine if an NOI is necessary, check the Program Profile Table at:
<http://www.ade.state.az.us/Perfmeasures/Placementsurvey/ProgramProfile>

5

New Program Option Submission

1. Submit NOI for new program option

6

New NOI Forms Location

1. <http://www.ade.az.gov/cte/whatsnew>
2. Use "Save As" function to print
3. Hard copy in your packet

Complete NOI Forms

1. Submit NOI Form for each program or option at all sites
2. Complete all blanks on form
3. List course sequence for program/option
4. Secure all signatures including Superintendent
5. Mail to Helen Bootsma, CPT Manager at ADE
6. Mail or fax by April 1, 2005

Second Stage Submission

1. Rationale for new program
2. Rationale for late submission
3. Copy of Level III teacher certification or plan for submitting application
4. Accurate fall enrollment for 2005-06 school year
5. CTSO implementation plan
6. Level II and Level III course syllabus
7. List of Advisory Committee membership
8. September 15, 2005 deadline



State of Arizona
Department of Education

Tom Horne
Superintendent of
Public Instruction

MEMORANDUM

DATE: October 15, 2004
TO: District Superintendents
Local Directors/Administrators Career and Technical Education
FROM: Milton D. Ericksen, Deputy Associate Superintendent and
State Director Career and Technical Education *ME 10-20-04*
SUBJECT: Notification of Intent for New Programs for School Year 2005-2006

Rationale:

The Career and Technical Education (CTE) Division has developed a *Notification of Intent* form for you to notify the CTE Division when you intend to implement a new CTE program. The CTE Division uses the Classification of Instruction Program (CIP) Codes to collect CTE enrollment. A **NEW CTE program is defined as any Level III program CIP code at any site not reporting enrollment and performance measures data under that CIP code during the previous year.** The form serves several purposes:

1. Under certain limited circumstances the Carl D. Perkins Act of 1998 allows districts to expend funds on **new** CTE programs. Please submit the attached *Notification of Intent* form for any new CTE program you intend to offer during the 2005-2006 school year (see bold definition above). Return the form by FAX or mail. Submission and approval of the form will allow the new CTE program to be considered for expenditures in the federal Basic Grant application.
2. Upon receipt of the *Notification of Intent* form, the assigned Program State Supervisor will contact you to verify receipt of the form, provide targeted technical assistance in assessing your needs and provide clearly identified expectations for new CTE programs.
3. In addition, the process will enable us to assign a "birth date" so we can easily identify programs that will require two years to produce CTE Concentrators. This allows the system internally to improve the validity and accuracy of your data.
4. In some cases, the Notification of Intent form alerts the CTE Management Information Systems that a new district may qualify for Perkins Basic Grants funds in the upcoming school year.

The following scenarios explain when a *Notification of Intent* form is necessary for a new program in the 2005-2006 school year:

Scenario #1

You are a new school district, planning to offer a new CTE program next year. You plan to begin the program by offering Level II competencies such as those identified for Applied Biological Systems, Business Management Technology, Life Connections, Industrial Technology or Information Technology;

Scenario #2

You submitted a *Notification of Intent* form for the current school year and only reported enrollment in a Level II course code at one site and you are planning to offer a Level III program CIP code for the first time as part of the program sequence of instruction in FY 2006 at the same site;

Scenario #3

You plan to implement a new program CIP code next year including all Levels I, II and III program competencies;

Scenario #4

Your district offers several comprehensive CTE programs at one site and you are planning to add a new Level III program CIP code at the same site;

Scenario #5

Your district currently offers, for example CIP 52.0200 at one site, and you are planning to offer CIP 52.0200 at another site or at a new high school in 2005-2006;

Scenario #6

Your Notification of Intent form was "withdrawn" for the current school year and you intend to offer the program next year;

Scenario #7

Your district currently offers a CTE program that you plan to transition into a similar program next year. For example, you currently offer Administrative Information Services, CIP 52.0400, and you are planning to transition to Business Management and Administrative Services, CIP 52.0200, next year. This will allow the CTE Division to accommodate CIP changes in your reporting during the transition and credit the students to the correct program. The CTE Division will prepare the electronic linkage so you will have Concentrators and Completers.

Scenario #8

Your district intends to expand your existing program by offering an **additional CTE program option or transitioning to a new CTE program option**. The competency lists for the various program options can be obtained from www.aztechprep.org. Your program teachers will receive specific program option updates and notices regarding professional development opportunities following the submission of the *Notification of Intent* form with the new program option information.

NEW!

Determining Factors:

The Carl D. Perkins Act of 1998 provides guidance that all CTE programs must be of sufficient size, scope and quality to be effective. *CTE programs need to have a large enough student enrollment to report Concentrators, Completers and Placements annually.* In 2001, sufficient size was defined in Arizona by the CTE Division in collaboration with the Accountability System Team as:

- Average program enrollment of five students per semester for high school site with ADM of less than 300 students or
- Average program enrollment of ten students per semester for high school sites with ADM of 300 or more students.

If your district currently has programs that have been unable to produce Concentrators, and Program Completers since FY 2003, do not submit a *Notification of Intent* form to begin a new program. Districts will be encouraged to use next year as a planning year if they have been unable to produce concentrators or completers for their existing programs. The program area State Supervisor approves all new programs.

CTE programs must be listed on the Arizona Department of Education 2006 CTE Program List to be considered for expenditures of state and federal funds. The 2006 CTE Program List with corresponding CIP codes is included in this mailing. Curriculum framework with required instructional competencies have been or will be developed for each of the programs on the CTE Program List. Competency lists and curriculum framework can be obtained from www.aztechprep.org or through the appropriate Program State Supervisor listed on page four.

NEW:

In December 2002, the Automotive Technologies Curriculum Framework was completed. The occupational competences for both options are aligned with the National Automotive Technician Education Foundation (NATEF) and the Automotive Service Excellence (ASE) Standards. All districts that intend to implement a new Automotive Technology Program will be expected to apply for NATEF certification for self-evaluation. **A new CTE program is defined as any Level III program CIP code at any site not reporting enrollment and performance measures data under that CIP code during the previous year.** The standards are available at www.natef.org. Since the previous curriculum competencies have now expired, no new Automotive Technologies program will be approved if they do not meet the NATEF standards.

Federal and state CTE funds are supplemental to district funds. Your district should support CTE programs with local district funds. By submitting a *Notification of Intent* form, the approved Level III program CIP code will generate CTE state funding for 11th and 12th grade students during the 2006-2007 school year. 40th and 100th day enrollment data reported during the 2005-2006 school year is the basis for the 2006-2007 school year state funding. Based upon an approved federal Basic Grant application, you could receive federal Carl D. Perkins funds in the 2005-2006 school year.

Deadlines/Instructions:

The *Notification of Intent* form must be received at the CTE Division no later than April 1, 2005 for the 2005-2006 school year. Upon receipt of the form, the Program State Supervisor will contact you.

In some unique situations, a district may be unable to meet the April 1st deadline. A second stage *Notification of Intent* form is available to districts that already offer approved CTE programs. The following items are required along with the *Notification of Intent* form by September 15, 2005:

1. Rationale for the new program
2. Rationale for late submission

3. Copy of Level III teacher certification or plan for submitting application
4. Accurate fall enrollment for 2005-2006 school year
5. Career and Technical Student Organization implementation plan
6. Level II and Level III course syllabus
7. List of Advisory Committee membership

The *Notification of Intent* form is available on the CTE web page at <http://www.ade.state.az.us/cte/WhatsNew/default.asp>. The instructions for completing the *Notification of Intent* form are listed below:

1. Complete one form for **each** program and new option for **each** site location, even if the district is already offering the program at another site.
2. Complete **all** blanks in the Program Information area and check the appropriate boxes. Include the Option information if appropriate.
3. State your planned course sequence with projected implementation date and projected enrollment. **All state-designated program competencies must be delivered (Levels I, II and III).**
4. Record teacher information, if known. If not known at this time, indicate "To Be Determined".
5. Secure **all** required signatures in the signature section. If the teacher is unknown, the signature of a department head must be included.
6. The Superintendent's signature is required on the form this year.
7. Submit completed notification with original signatures to:

NEW!

Ms. Helen Bootsma
Manager, Career Pathways Team
Career and Technical Education Division
Arizona Department of Education
1535 W. Jefferson, Bin #42
Phoenix, AZ 85007

FAX 602-542-1841

This notification process will provide the CTE Division with valuable information to assess your needs and provide technical assistance. If you have any questions regarding developing new CTE programs, contact the appropriate Program State Supervisor for additional information.

Agricultural Education	Dennis Fiscus	602-542-5356
Business Education	Janet Gandy	602-542-5046
Education Professions	Jan Brite	602-542-4365
Family and Consumer Sciences Education	Lila Kleinkopf	602-542-5487
Health & Community Service Careers	Shirley Krafft	602-542-3374
Industrial Technology Education	Tom O'Dell	602-542-5423
Marketing, Media and IT Education	Shea Padilla	602-542-5049

Attachments

2005-2006 Notification of Intent Form
2006 CTE Program List

NOTIFICATION OF INTENT TO IMPLEMENT A NEW CAREER AND TECHNICAL EDUCATION PROGRAM—SCHOOL YEAR 2005-2006

Contact Person: _____ Email: _____ Phone: _____

School: _____ District: _____ City: _____ Zip: _____ CTDs: _____ Date: _____

Address: _____ Program Physical Location: _____

New Program Name: _____ CIP: _____ Option(s) Programs with Options must specify which option(s) will be taught (i.e. A, B, C, D): _____

Will this program replace an existing program? Yes No Sunset Program Name: _____ Sunset Program CIP: _____

New Option for Existing Program? Yes No Program Name: _____ CIP: _____ New Option(s) (i.e. A, B, C, D): _____

Affirm, by checking the appropriate boxes, that the following items are in place for the proposed program:

Community needs have been assessed: data indicates that there are opportunities for students for employment or continued training.

Sufficient enrollment, staff, and facilities are in place to implement this program.

Local employers have been and will continue to be involved in the formation of this program.

In addition to classroom instruction, this program will include work-based learning experiences.

A student organization will support this program (check the appropriate box): DECA FBLA FCCLA FFA SkillsUSA HOSA

Courses listed below must deliver the entire set of state-designated program competencies:

Intended Grade Level	Course CIP per Handbook	Local Course Title	Implementation Date	Projected Enrollment	Teacher Name	Appropriate VTE/CTE Certification
7-8						<input type="checkbox"/> Yes <input type="checkbox"/> No
9-10						<input type="checkbox"/> Yes <input type="checkbox"/> No
11-12						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

We assure that this program will deliver state-approved Career and Technical Education program competencies, and that we will participate in all required reporting and data collection activities including student achievement for all program courses.

Teacher / Department Chair: _____ Date: _____

School Principal: _____ Date: _____

Local Vocational Director: _____ Date: _____

District Superintendent: _____ Date: _____

Please Submit One Form For Each New Program and Option at Each Site – No Later Than April 1, 2005 – Fax: 602-542-1849

Career and Technical Education FY 2006 Program List

Rank	CIP	2006 CTE Program List
1	51.1600	Nursing Services
2	52.0200	Business Management and Administrative Services
3	43.0100	Law, Public Safety and Security
4	43.0200	Fire Science
5	51.0800	Allied Health Services
6	15.1300	Drafting and Design Technology
7	15.1200	Information Technology
8	52.1900	Design and Merchandising
9	47.0600	Automotive Technologies
10	52.0800	Financial Services
11	46.0400	Construction Technologies
12	01.0100	Agricultural Business Management - Agriscience
13	15.0600	Industrial Manufacturing
14	52.0300	Accounting and Related Services
15	15.0300	Electronic Technology
16	01.0600	Horticulture
17	52.0900	Hospitality Management
18	52.1800	Marketing, Management and Entrepreneurship
19	12.0500	Culinary Arts
20	13.1500	Education Professions
21	48.0500	Welding Technology
22	13.1200	Early Childhood Education
23	12.0400	Cosmetology
24	01.0300	Agriscience
25	10.0300	Graphic Communications
26	10.0200	Radio/Television Technology
27	03.0200	Renewable Natural Resources
28	48.0700	Woodworking
Pink= Program to be Added FY06 Program List		
Lavender= Program Name has changed		

FY 2006 CTE Program List

2006 CTE Program List

- Purpose of List
- Sources of Data
- Variables Used in Formula
- Formula Application to CIP 52.0800
- Next Steps

Acronyms

- CIP - Classification of Instructional Programs
- LMI - Labor Market Information
- BLS - Bureau of Labor Statistics
- SOC - Standard Occupational Classification
- O*NET - Occupational Information Network
<http://online.onetcenter.org>
- DES - Dept of Economic Security
- NAICS - North American Industry Classification System

Why Have CTE Program List?

- Current AZ legislation " programs reflect relative demand for employees in labor market sectors"
- Identify CTE programs available for federal and state funding
- Provide prioritization information to schools to use in planning CTE programs

Reflects State & Federal Expectations

- Incorporate Building Blocks for Dynamic Economy
- Address New and Emerging Employment Opportunities
- Prepare Students with Skills that Lead to High Skill and High Wage Jobs
- Prepare Students for Transition to Postsecondary

Discontinued CTE Programs Notice Sent to Districts

- Discontinued programs do not appear on 2006 List
 - 46.0300 Electrical & Power Transmission Technology
 - 47.0200 Heating, Ventilation & Air Conditioning
 - 49.0200 Heavy Equipment Operation
 - 52.0400 Administrative Information Services

Identify New Programs

- Apply Formula to all Available CIP Codes to Identify Potential Programs
 - Industrial Manufacturing
 - Agricultural & Business Management
 - Diagnostic Intervention Professions
 - Health & Administrative Services
 - Biotechnology

FY 2006 CTE Program List

Historical Perspective

- Prioritization concept approved in 1985
- Revised to reflect economic conditions
- Existing program list utilizing 2000 LMI was last revised in 2002 for use in FY 2004 and 2005

State CTE Advisory Committee Vision for CTE Program List

- Incorporate new and emerging occupations
- Support local employment opportunities
- Reflect projected AZ & national LMI
- Provide fiscal incentive for CTE program outcomes
- Dynamic - updated every two years

Formula for CTE Program List

- Variables Approved by State Board of Education September 25, 2000

- 2 x percentile Ave SOC annual openings
- 1 x percentile Ave SOC academic scores
- .5 x percentile Ave soc wages
- .5 x percentile Ave soc technical score

= RANK on CTE Program List

Source of Data and Information

- New NAICS System
- 2002 CIP
- 2000 SOC Codes
- Educational Level Codes
- LMI from 2003 Employer Wage Survey

Source of Data for Formula con't

- O*NET Academic Score for SOC Codes
 - Basic Academic Skills
 - Reading Comprehension
 - Listening and Writing
 - Math and Science
 - Complex Problem Solving Skills
 - Problem Identification
 - Information Organization
 - Idea Generation and Evaluation
 - Solution Appraisal

Source of Data for Formula con't

- O*NET Technical Score for SOC Codes
 - Technical Skills
 - Operations Analysis, Monitoring, Control
 - Product Inspection, Trouble Shooting and Repair
 - Engineering and Technology Skills
 - Computers
 - Electronics
 - Design

FY 2006 CTE Program List

Why Is CIP 52.0800 # 10 on 2006 CTE Program List?

- 5 SOC Codes Associated with CIP 52.0800
 - 43-3011 Bill & Account Collectors
 - 43-3071 Tellers
 - 43-4041 Credit Authorizers & Checkers
 - 43-4131 Loan Interviewers
 - 43-4141 New Accounts Clerks

Job Openings

- Annual Openings
 - 569 Bill & Account Collectors
 - 467 Tellers
 - 81 Credit Authorizers & Checkers
 - 81 Loan Interviewers
 - 63 New Accounts Clerks

Total Annual Openings 1,261

Wages

- Average Wage
 - \$12.75 Bill & Account Collectors
 - \$10.64 Tellers
 - \$12.11 Credit Authorizers & Checkers
 - \$14.36 Loan Interviewers
 - \$13.43 New Accounts Clerks

Average \$12.07

O*NET Academic Score

- Basic Academic Skills + Complex Problem Solving Skills
 - 52 Bill & Account Collectors
 - 43 Tellers
 - 39 Credit Authorizers & Checkers
 - 42 Loan Interviewers
 - 40 New Accounts Clerks

Average 47

O*NET Technical Score

- Technical Skills + Engineering and Technology Skills
 - 65 Bill & Account Collectors
 - 46 Tellers
 - 29 Credit Authorizers & Checkers
 - 32 Loan Interviewers
 - 36 New Accounts Clerks

Average 52

Data for Four Variables

1. Sorted in Descending Order
2. Assigned Rank
3. Converted to Percentile

- Percentiles for Financial Services

91 percentile annual openings
70 percentile academic scores
14 percentile wages
42 percentile technical score

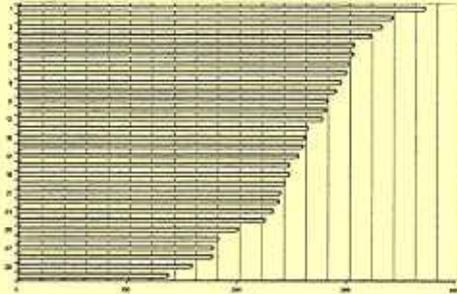
FY 2006 CTE Program List

Apply the Formula to Financial Services

- 2 x percentile 91 = 182
- 1 x percentile 70 = 70
- .5 x percentile 14 = 7
- .5 x percentile 42 = 21

Formula Score = 279

Wide Range in Formula Scores



Why 28 CTE Programs in FY 2006?

- Two New Programs
 - Industrial Manufacturing
 - Agricultural Business Management
- Four Discontinued Programs

What's Next?

- Research a minimum of one new CTE program to appear on FY 2008 List
- Identify programs to be discontinued on FY 2008 List
- Provide labor market information to students

2006 CTE Program List Review and Questions

- Purpose of List
- Sources of Data
- Variables Used in Formula
- Formula Application to CIP 52.0800
- Next Steps

2006 CTE Program and Prospective Program List Ranked by Formula

Score = 2 x openings percentile + 1 x academic percentile + 1/2 x technical percentile + 1/2 x wage percentile

Rank	CIP Code	CTE Assigned CIP Name	Overall Score	Percentiles					Openings	Scores		Hourly Wage	Educ Level
				Open	Acad	Tech	Wage	ings		Acad	Tech		
1	51.1600	Nursing Services	370	98	99	64	87	3,826	59	68	20.97	6.9	
2	52.0200	Business Management and Administrative Services	340	89	82	71	89	1,225	50	77	21.26	8.0	
3	51.0900	Diagnostic and Intervention Professions	330	85	90	69	69	1,041	55	74	17.54	7.3	
4	43.0100	Law, Public Safety and Security	320	97	77	45	53	2,615	48	56	15.92	9.8	
5	43.0200	Fire Science	305	75	80	70	81	400	48	75	19.62	8.8	
6	51.0800	Allied Health Services	304	90	86	61	16	1,250	52	66	12.54	8.8	
7	15.1300	Drafting and Design Technology	301	64	88	92	76	184	54	99	19.08	7.0	
8	51.0700	Health/Health Care Administration/Management	298	96	74	39	26	2,240	48	51	14.04	9.2	
9	15.1200	Information Technology	293	67	72	93	80	222	47	100	19.53	6.0	
10	52.1900	Design and Merchandising	288	88	54	39	79	1,176	46	51	19.21	9.1	
11	47.0600	Automotive Technologies	280	87	31	91	59	1,096	39	96	16.71	7.6	
12	52.0800	Financial Services	279	91	70	42	14	1,261	47	52	12.07	10.9	
13	46.0400	Construction Technologies	276	94	28	84	34	2,180	38	88	14.73	9.7	
14	01.0100	Agricultural Business Management	263	81	46	42	68	579	44	53	17.51	8.3	
15	15.0600	Industrial Manufacturing	260	38	100	85	86	29	60	89	20.83	6.0	
16	52.0300	Accounting and Related Services	258	92	50	28	21	1,361	45	45	13.45	10.0	
17	15.0300	Electronic Technology	254	61	45	96	78	133	44	103	19.15	6.0	
18	01.0600	Horticulture	246	93	35	36	13	1,844	41	48	11.87	10.4	
19	52.0900	Hospitality Management	246	72	52	51	50	291	45	59	15.58	8.6	
20	52.1800	Marketing, Management and Entrepreneurship	242	99	27	27	6	9,747	37	45	10.24	10.8	
21	12.0500	Culinary Arts	238	100	22	32	1	11,123	36	46	7.69	10.7	
22	13.1500	Education Professions	236	86	55	17	1	1,063	46	32	8.80	11.0	
23	48.0500	Welding Technology	231	84	10	82	24	977	32	87	13.79	9.6	
24	13.1200	Early Childhood Education	224	76	51	23	19	420	45	40	12.65	7.6	
25	12.0400	Cosmetology	199	73	36	31	3	330	41	46	8.96	7.0	
26	01.0300	Agriscience	182	77	0	55	0	450	25	61	7.05	11.0	
27	10.0300	Graphic Communications	177	69	5	50	18	255	29	58	12.58	9.8	
28	10.0200	Radio/Television Technology	176	54	26	63	20	81	37	68	13.12	9.4	

2006 CTE Program and Prospective Program List Ranked by Formula

Score = 2 x openings percentile + 1 x academic percentile + 1/2 x technical percentile + 1/2 x wage percentile

Rank	CIP Code	CTE Assigned CIP Name	Overall Score	Percentiles				Openings	Scores		Hourly Wage	Educ Level
				Open	Acad	Tech	Wage		Acad	Tech		
29	03.0200	Renewable Natural Resources	158	18	74	25	71	5	47	42	17.79	9.2
30	48.0700	Woodworking	136	50	1	62	9	44	27	67	11.12	9.5
Pink = Program to be Added FY06 Program List												
Light Pink = Potential Programs Explored for Future Program List												
Lavender = Program Name has changed												

Sources	
1	Openings and wage data are produced by the Arizona Department of Economic Security, Research Administration, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics. Wages are from the 2003 OES survey, and openings are from the 2003-2013 occupational employment projections. In a few instances, wage & openings data are from earlier years when current data is unavailable. See last two columns in detail report for data years used for each occupation.
2	For the academic and technical scores, the O-Net database, www.onetcenter.org/database.html , version 6.0, was the basic source. But the selection of the specific qualities within the scores was done by the Department of Education.
3	Academic scores are the sum of all elements with the coding scheme 2A1 and 2B2. Technical scores used 2B3 and 2C3.
4	CIP / SOC crosswalk source: National Crosswalk Service Center, Department of Education, Des Moines IA 50319, Telephone: 515-242-5034, E-mail: NCSC@ed.state.ia.us .
5	The education levels are from the Bureau of Labor Statistics website at ftp://ftp.bls.gov/pub/special.requests/ep/optdata/opttd0212.txt

Calculation method	
1	Hourly wages were calculated by dividing annual wages by 2080.
2	Since the last funding formula computation, the O-Net database has been revised to version 6.0. The revision caused a significant variance in the academic and technical scores, but only minor changes in the ranking of occupations.
3	All scores were first calculated by occupation using the SOC (Standard Occupational Code). The scores for each 6-digit SOC were calculated by averaging the scores for the 8-digit SOC's that comprise each 6-digit SOC.
4	The field of occupations was restricted to those whose academic scores were above the 10th percentile and those whose educational level was between 6 and 11. The lowest educational levels have the highest numbers (see below).
5	Academic scores, technical scores, and wages by CIP (Classification of Instructional Programs) were calculated by taking an openings-weighted average of the occupations in the CIP. For occupations appearing in more than one CIP, openings were evenly distributed among the CIPs. For example, if an occupation had 30 openings and was found in 3 CIPs, that occupation would be listed as having 10 openings in each of the 3 CIPs. After the openings were distributed in this manner, the number of openings in each CIP was calculated by summing the openings for each occupation within the CIP.
6	Percentiles were calculated for each of the four data items: openings, wages, academic and technical scores. In case of a tie, the same percentile was assigned to all CIP's involved in the tie.
7	The following formula determined the score for each CIP: $(4 \times \text{openings percentile} + 2 \times \text{academic percentile} + \text{technical percentile} + \text{wage percentile}) / 2$

BLS Education Codes	
1-5	Bachelor's degree and higher educational levels were not used for this project.
6	Associate degree
7	Post-secondary vocational training
8	Work experience in related occupation
9	Long-term on-the-job training
10	Moderate-term on-the-job training
11	Short-term on-the-job training

Questions and Comments

Direct questions or comments to Rick Van Sickle, 602-542-6481, John Graeflin, 602-542-6492, or Don Wenbey, 602-542-3686, at Research Administration, Arizona Department of Economic Security.

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year		
					Acad	Tech							
01.0100	Agricultural Business & Management, General		Purchasing Agents & Buyers, Farm Produc	579	44	53	17.51	8.3					
				27	48	44	24.62	8.0	100	03	03		
				89	53	95	20.10	6.0	20	03	03	03	
				37-2021	Pest Control Workers	79	38	59	12.49	10.0	100	03	03
				39-2021	Nonfarm Animal Caretakers	59	33	59	8.72	11.0	50	03	03
01.0200	Agricultural Mechanization, General		First-Line Supervisors/Managers of Office	295	46	40	19.93	8.0	33	03	03		
				43-1011	First-Line Supervisors/Managers of Office	4	45	62	19.81	8.0	17	03	03
				45-1011	First-Line Supervisors/Managers of Farmil	26	24	32	8.50	8.0	100	03	03
				45-2041	Graders & Sorters, Agricultural Product	183	37	101	17.29	7.7			
				45-2091	Agricultural Equipment Operators	43	35	84	8.67	10.0	100	03	03
01.0300	Agricultural Production Operations, General		Aircraft Mechanics & Service Technician	81	34	100	21.34	7.0	50	03	03		
				49-3041	Farm Equipment Mechanics	11	33	106	16.58	7.0	100	03	03
				49-3042	Mobile Heavy Equipment Mechanics, Except	48	45	115	18.36	7.0	50	03	03
				450	25	61	7.05	11.0					
				19-4011	Agricultural & Food Science Technicians	1	44	53	26.30	6.0	25	03	03
01.0400	Agricultural & Food Products Processing, General		First-Line Supervisors/Managers of Farmil	4	45	62	19.81	8.0	17	03	03		
				45-2021	Animal Breeders	2	34	56	19.69	10.0	100	03	03
				45-2092	Farmworkers & Laborers, Crop, Nursery,	428	25	61	6.77	11.0	100	03	03
				45-2093	Farmworkers, Farm & Ranch Animals	16	25	53	9.08	11.0	50	03	03
				45-2011	Agricultural Inspectors	91	33	56	11.60	10.3			
01.0500	Dog/Pet/Animal Grooming (New)		Food & Tobacco Roasting, Baking, & Dry	12	48	54	12.04	8.0	100	03	01		
				51-3091	Food & Tobacco Roasting, Baking, & Dry	12	35	71	11.26	11.0	100	03	03
				51-3092	Food Batchmakers	28	34	43	10.91	11.0	50	03	03
				51-3093	Food Cooking Machine Operators & Tender	14	32	57	10.34	11.0	100	03	03
				51-9023	Mixing & Blending Machine Setters, Oper	25	26	63	13.03	10.0	100	03	03
01.0600	Applied Horticulture/Horticultural Operations, General		Animal Trainers	71	33	54	8.87	10.8					
				39-2011	Animal Trainers	12	34	28	9.61	10.0	100	03	02
				39-2021	Nonfarm Animal Caretakers	59	33	59	8.72	11.0	50	03	03
				27-1023	Floral Designers	1,844	41	48	11.87	10.4			
				37-1012	First-Line Supervisors/Managers of Lands	89	42	62	9.03	10.0	100	03	03
			Pesticide Handlers, Sprayers, & Applica	148	44	59	15.41	8.0	100	03	03		
				37-3012	Pesticide Handlers, Sprayers, & Applica	7	27	61	10.92	10.0	100	03	03
				41-1011	First-Line Supervisors/Managers of Retail	173	48	71	16.91	8.0	17	03	03
				41-2031	Retail Salespersons	1,411	40	43	11.10	11.0	33	03	03

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
01.0800	Agricultural & Extension Education Services	45-2093	Farmworkers, Farm & Ranch Animals	16	25	53	9.08	11.0	50	03	03
01.0900	Animal Sciences, General	27-4011	Audio & Video Equipment Technicians	18	51	70	14.28	9.0			
		19-4011	Agricultural & Food Science Technicians	5	45	60	21.25	7.6			
		45-1011	First-Line Supervisors/Managers of Farmi	1	44	53	26.30	6.0	25	03	03
01.1000	Food Science (New)			4	45	62	19.81	8.0	17	03	03
		19-4011	Agricultural & Food Science Technicians	13	56	94	18.11	6.0			
		19-4031	Chemical Technicians	1	44	53	26.30	6.0	25	03	03
01.1100	Plant Sciences, General	19-4011	Agricultural & Food Science Technicians	12	57	97	17.43	6.0	50	03	03
		45-1011	First-Line Supervisors/Managers of Farmi	5	45	60	21.25	7.6			
		19-4011	Agricultural & Food Science Technicians	1	44	53	26.30	6.0	25	03	03
01.9900	Agriculture, Agricultural Operations, & Related Sciences, Other.	45-1011	First-Line Supervisors/Managers of Farmi	4	45	62	19.81	8.0	17	03	03
03.0100	Natural Resources/Conservation, General	45-1011	First-Line Supervisors/Managers of Farmi	4	45	62	19.81	8.0	17	03	03
		19-4091	Environmental Science & Protection Tech	6	59	102	17.29	6.0	33	03	03
		45-4011	Forest & Conservation Workers	1	30	41	14.13	10.0	25	03	01
03.0200	Natural Resources Management & Policy, General			5	47	42	17.79	9.2			
		33-3031	Fish & Game Wardens	4	51	43	18.48	9.0	33	03	01
		45-4011	Forest & Conservation Workers	1	30	41	14.13	10.0	25	03	01
03.0300	Fishing & Fisheries Sciences & Management			8	48	52	19.10	8.5			
		33-3031	Fish & Game Wardens	4	51	43	18.48	9.0	33	03	01
		45-1011	First-Line Supervisors/Managers of Farmi	4	45	62	19.81	8.0	17	03	03
03.0500	Forestry, General			3	30	53	10.06	10.0			
		45-4011	Forest & Conservation Workers	1	30	41	14.13	10.0	25	03	01
		45-4021	Fallers	2	30	58	8.54	10.0	100	03	03
03.0600	Wildlife & Wildlands Science & Management			4	51	43	18.48	9.0			
		33-3031	Fish & Game Wardens	4	51	43	18.48	9.0	33	03	01
03.9900	Natural Resources & Conservation, Other			1	30	41	14.13	10.0			
		45-4011	Forest & Conservation Workers	1	30	41	14.13	10.0	25	03	01
4.0900	Architectural Technology/Technician (New)	17-3011	Architectural & Civil Drafters	42	52	86	16.59	7.0			
09.0400	Journalism	27-4021	Photographers	19	35	63	14.61	9.0	50	03	03

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores Acad	Scores Tech	Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
		39-5011	Barbers	38	28	36	11.95	7.0	100	03	03
		39-5012	Hairdressers, Hairstylists, & Cosmetolo	237	47	51	8.82	7.0	100	03	03
		39-5092	Manicurists & Pedicurists	55	25	31	7.48	7.0	100	03	03
12.0500	Cooking & Related Culinary Arts, General (New)			11,123	36	46	7.69	10.7			
		11-9051	Food Service Managers	182	49	70	17.93	8.0	50	03	03
		35-1011	Chefs & Head Cooks	76	39	50	18.29	8.0	100	03	03
		35-1012	First-Line Supervisors/Managers of Food	302	45	64	11.82	8.0	50	03	03
		35-2011	Cooks, Fast Food	450	25	33	7.37	11.0	100	03	03
		35-2012	Cooks, Institution & Cafeteria	101	32	44	9.88	10.0	50	03	03
		35-2014	Cooks, Restaurant	695	35	57	9.70	9.0	100	03	03
		35-2015	Cooks, Short Order	157	40	60	8.29	11.0	100	03	03
		35-2021	Food Preparation Workers	1,018	37	54	8.24	11.0	100	03	03
		35-3011	Barenders	389	39	44	7.19	11.0	100	03	03
		35-3021	Combined Food Preparation & Serving Wor	3,535	34	46	6.78	11.0	100	03	03
		35-3022	Counter Attendants, Cafeteria, Food Conc	481	37	49	7.61	11.0	100	03	03
		35-3031	Waiters & Waitresses	3,073	39	42	6.66	11.0	100	03	03
		35-3041	Food Servers, Nonrestaurant	182	29	32	7.17	11.0	100	03	03
		35-9031	Hosts & Hostesses, Restaurant, Lounge,	309	36	35	7.28	11.0	100	03	03
		51-3011	Bakers	127	25	40	11.04	9.0	100	03	03
		51-3021	Butchers & Meat Cutters	46	29	37	16.16	9.0	100	03	03
12.9900	Personal & Culinary Services, Other			11	43	35	29.95	8.0			
		11-9071	Gaming Managers	11	43	35	29.95	8.0	100	03	03
13.1000	Special Education, General			2	46	25	14.87	9.0	6	03	03
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
13.1200	Adult & Continuing Education & Teaching			420	45	40	12.65	7.6			
		25-2011	Preschool Teachers, Except Special Educa	188	39	35	9.93	7.0	50	03	03
		25-3021	Self-Enrichment Education Teachers	232	50	43	14.85	8.0	100	03	03
13.1300	Agricultural Teacher Education			290	47	49	15.05	7.8			
		25-1194	Vocational Education Teachers, Postsecon	172	51	50	15.58	8.0	100	03	03
		27-2022	Coaches & Scouts	36	52	60	14.83	9.0	50	03	03
		39-9031	Fitness Trainers & Aerobics Instructors	82	38	43	14.04	7.0	50	03	03
13.1500	Teacher Assistant/aide			1,063	46	32	8.80	11.0			
		25-9041	Teacher Assistants	1,063	46	32	8.80	11.0	100	03	03
14.1800	Materials Engineering			31	59	82	23.35	8.0			

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
14.1900	Mechanical Engineering	13-1051	Cost Estimators	31	59	82	23.35	8.0	17	03	03
14.3300	Construction Engineering (New)	13-1051	Cost Estimators	31	59	82	23.35	8.0	17	03	03
14.3600	Manufacturing Engineering (New)	13-1051	Cost Estimators	31	59	82	23.35	8.0	17	03	03
15.0200	Civil Engineering Technology/Technician	17-3022	Civil Engineering Technicians	38	55	78	18.49	6.0	50	03	03
15.0300	Electrical, Electronic & Communications Engineering Technology/Technician	17-3023	Electrical & Electronic Engineering Tec	133	44	103	19.15	6.0	50	03	02
15.0400	Biomedical Technology/Technician	49-9062	Medical Equipment Repairers	18	56	119	24.80	6.0	100	03	03
15.0500	Heating, Air Conditioning & Refrigeration Technology/Technician (AC/HVAC/Refrigeration)	51-2023	Electromechanical Equipment Assemblers	16	30	90	15.37	11.0	100	03	03
15.0600	Plastics Engineering Technology/Technician	47-4041	Hazardous Materials Removal Workers	33	26	46	17.61	10.0	33	03	03
15.0700	Occupational Safety & Health Technology/Technician	49-9021	Heating, Air Conditioning, & Refrigerat	128	40	108	17.21	9.0	50	03	03
15.0800	Aeronautical/Aerospace Engineering Technology/Technician	51-8031	Water & Liquid Waste Treatment Plant &	94	51	100	17.11	9.0	100	03	03
15.0900	Mining Technology/Technician	17-3026	Industrial Engineering Technicians	29	60	89	20.83	6.0	50	03	03
15.1000	Construction Engineering Technology/Technician	51-9061	Inspectors, Testers, Sorters, Samplers,	238	42	92	13.63	10.0	100	03	03
15.1100	Surveying Technology/Surveying	17-3021	Aerospace Engineering & Operations Tech	485	44	105	16.73	6.9	100	03	03
15.1200	Computer Engineering Technology/Technician	17-3027	Mechanical Engineering Technicians	33	51	116	28.70	6.0	100	03	03
		49-3023	Automotive Service Technicians & Mechan	32	55	109	19.01	6.0	100	03	03
		19-4041	Geological & Petroleum Technicians	420	43	104	15.61	7.0	50	03	03
		13-1051	Cost Estimators	1	48	71	12.36	6.0	100	03	03
		17-3022	Civil Engineering Technicians	68	56	79	20.67	6.9	17	03	03
		17-3031	Surveying & Mapping Technicians	31	59	82	23.35	8.0	50	03	03
				38	55	78	18.49	6.0	50	03	03
				45	34	58	16.60	10.0	50	03	03
				45	34	58	16.60	10.0	50	03	03
				222	47	100	19.53	6.0			

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List with Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		15-1041	Computer Support Specialists	89	53	95	20.10	6.0	20	03	03
		17-3023	Electrical & Electronic Engineering Tec	133	44	103	19.15	6.0	50	03	02
15.1300	Drafting & Design Technology/Technician, General			184	54	99	19.08	7.0			
		17-3011	Architectural & Civil Drafters	42	52	86	16.59	7.0	50	03	03
		17-3012	Electrical & Electronics Drafters	84	52	94	19.44	7.0	100	03	03
		17-3013	Mechanical Drafters	58	57	116	20.36	7.0	100	03	03
15.1500	Industrial Management (New)			29	60	89	20.83	6.0			
		17-3026	Industrial Engineering Technicians	29	60	89	20.83	6.0	50	03	03
15.9900	Engineering Related Technologies/Technicians, Other			17	37	102	23.95	6.0			
		17-3024	Electro-Mechanical Technicians	17	37	102	23.95	6.0	100	03	03
16.0100	Foreign Languages/Modern Languages, General			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0200	African Languages, Literatures, & Linguistics (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0300	East Asian Languages, Literatures, & Linguistics, General (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0400	Slavic Languages, Literatures, & Linguistics, General (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0500	Germanic Languages, Literatures, & Linguistics, General (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0600	Modern Greek Language & Literature			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0700	South Asian Languages, Literatures, & Linguistics, General (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0800	Iranian/Persian Languages, Literatures, & Linguistics (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.0900	Romance Languages, Literatures, & Linguistics, General (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.1000	American Indian/Native American Languages, Literatures, & Linguistics (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.1100	Semitic Languages, Literatures, & Linguistics, General (New)			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03
16.1200	Classics & Classical Languages, Literatures, & Linguistics, General			2	46	25	14.87	9.0			
		27-3091	Interpreters & Translators	2	46	25	14.87	9.0	6	03	03

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CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
16.1300	Celtic Languages, Literatures, & Linguistics (New)	27-3091	Interpreters & Translators	2	46	25	14.87	9.0		03	03
16.1400	Southeast Asian Languages, Literatures, & Linguistics, General (New)	27-3091	Interpreters & Translators	2	46	25	14.87	9.0		03	03
16.1500	Turkish Language & Literature (New)	27-3091	Interpreters & Translators	2	46	25	14.87	9.0		03	03
16.1600	American Sign Language (ASL) (New)	27-3091	Interpreters & Translators	2	46	25	14.87	9.0		03	03
16.9900	Foreign Languages, Literatures, & Linguistics, Other	27-3091	Interpreters & Translators	2	46	25	14.87	9.0		03	03
19.0200	Business Family & Consumer Sciences/Human Sciences	27-3091	Interpreters & Translators	2	46	25	14.87	9.0		03	03
19.0500	Foods, Nutrition, & Wellness Studies, General	41-1011	First-Line Supervisors/Managers of Retail	173	48	71	16.91	8.0	17	03	03
		29-2051	Dietetic Technicians	450	42	57	11.27	8.7			
		35-1012	First-Line Supervisors/Managers of Food	19	56	37	10.39	10.0	33	03	03
		35-2012	Cooks, Institution & Cafeteria	302	45	64	11.82	8.0	50	03	03
19.0600	Housing & Human Environments, General	51-3092	Food Batchmakers	101	32	44	9.88	10.0	50	03	03
		49-9031	Home Appliance Repairers	28	34	43	10.91	11.0	50	03	03
19.0700	Human Development & Family Studies, General	25-2011	Preschool Teachers, Except Special Educa	23	31	83	14.59	9.0	50	03	03
		13-1022	Wholesale & Retail Buyers, Except Farm	188	39	35	9.93	7.0			
19.0900	Apparel & Textiles, General	51-6092	Fabric & Apparel Patternmakers	188	39	35	9.93	7.0			
		23-2011	Paralegals & Legal Assistants	37	47	66	17.17	8.2	50	03	03
22.0300	Legal Administrative Assistant/Secretary	23-2093	Title Examiners, Abstractors, & Searchers	28	51	70	19.78	8.0	25	03	03
		43-6012	Legal Secretaries	9	37	53	9.09	9.0	100	03	03
25.0300	Library Assistant	25-4031	Library Technicians	323	48	50	18.12	6.8			
		43-4121	Library Assistants, Clerical	124	46	49	18.14	6.0	100	03	03
30.1600	Accounting & Computer Science (New)	15-1041	Computer Support Specialists	20	47	35	17.92	10.0	100	03	03
				179	50	51	18.14	7.0	100	03	03
30.1900	Nutrition Sciences			199	42	57	11.72	11.0			
				116	42	60	12.34	11.0	100	03	03
				83	42	52	10.85	11.0	100	03	03
				89	53	95	20.10	6.0			
				89	53	95	20.10	6.0	20	03	03
				19	56	37	10.39	10.0			

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CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores Acad	Scores Tech	Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
31.0500	Health & Physical Education, General	29-2051	Dietetic Technicians	19	56	37	10.39	10.0	33	03	03
		27-2021	Athletes & Sports Competitors	132	41	45	19.13	7.8			
		27-2022	Coaches & Scouts	14	27	22	59.84	9.0	100	03	03
		39-9031	Fitness Trainers & Aerobics Instructors	36	52	60	14.83	9.0	50	03	03
41.0100	Biology Technician/Biotechnology Laboratory Technician			82	38	43	14.04	7.0	50	03	03
		19-4021	Biological Technicians	11	36	47	13.80	6.0			
41.0300	Chemical Technology/Technician			11	36	47	13.80	6.0	100	03	03
		19-4031	Chemical Technicians	41	50	88	15.84	8.0			
		19-4091	Environmental Science & Protection Tech	12	57	97	17.43	6.0	50	03	03
		51-8091	Chemical Plant & System Operators	6	59	102	17.29	6.0	33	03	03
		51-9011	Chemical Equipment Operators & Tenders	9	47	79	15.41	9.0	100	03	03
41.9900	Science Technologies/Technicians, Other			14	42	79	14.15	10.0	100	03	03
		19-4091	Environmental Science & Protection Tech	6	59	102	17.29	6.0			
43.0100	Corrections			6	59	102	17.29	6.0	33	03	03
		19-4092	Forensic Science Technicians	2,615	48	56	15.92	9.8			
		33-1012	First-Line Supervisors/Managers of Police	24	62	83	21.76	6.0	100	03	03
		33-3011	Bailiffs	129	55	78	30.14	8.0	100	03	03
		33-3012	Correctional Officers & Jailers	11	36	40	12.66	10.0	100	03	03
		33-3021	Detectives & Criminal Investigators	561	48	55	13.83	10.0	100	03	01
		33-3051	Police & Sheriff's Patrol Officers	96	50	46	24.13	8.0	100	03	03
		33-9021	Private Detectives & Investigators	768	48	54	21.48	9.0	100	03	03
		33-9032	Security Guards	46	53	42	15.46	8.0	100	03	03
		33-9091	Crossing Guards	903	48	58	10.17	11.0	100	03	03
43.0200	Fire Protection & Safety Technology/Technician			77	25	29	7.74	11.0	100	03	03
		33-1021	First-Line Supervisors/Managers of Fire	400	48	75	19.62	8.8			
		33-2011	Fire Fighters	85	51	67	27.83	8.0	100	03	03
		33-2021	Fire Inspectors & Investigators	301	47	78	17.19	9.0	100	03	03
		33-2022	Forest Fire Inspectors & Prevention Spe	13	53	61	22.25	8.0	100	03	03
43.9900	Protective Services, Other			1	47	65	17.97	8.0	100	03	03
		33-3041	Parking Enforcement Workers	43	40	36	12.64	10.2			
		33-9011	Animal Control Workers	9	26	35	13.39	11.0	100	03	03
44.0200	Community Organization & Advocacy			34	44	36	12.44	10.0	100	03	03
		43-4061	Eligibility Interviewers, Government Pro	101	44	28	13.15	10.0			

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
44.0400	Public Administration			26	46	55	29.44	8.0			
		11-3071	Transportation, Storage, & Distribution	21	46	59	30.28	8.0	33	03	03
		11-9131	Postmasters & Mail Superintendents	5	48	38	25.91	8.0	100	03	03
45.0700	Geography			45	34	58	16.60	10.0			
		17-3031	Surveying & Mapping Technicians	45	34	58	16.60	10.0	50	03	03
46.0100	Masonry/Mason			453	39	72	17.50	8.7			
		47-1011	First-Line Supervisors/Managers of Const	127	46	76	22.51	8.0	17	03	03
		47-2021	Brickmasons & Blockmasons	198	28	62	16.23	9.0	100	03	03
		47-2044	Tile & Marble Setters	128	47	83	14.51	9.0	100	03	03
46.0200	Carpentry/Carpenter			1,620	33	80	16.32	8.9			
		47-1011	First-Line Supervisors/Managers of Const	127	46	76	22.51	8.0	17	03	03
		47-2031	Carpenters	1,493	32	80	15.79	9.0	100	03	03
46.0300	Electrical & Power Transmission Installation/Installer, General			1,000	41	91	17.64	9.2			
		47-1011	First-Line Supervisors/Managers of Const	127	46	76	22.51	8.0	17	03	03
		47-2111	Electricians	605	45	99	17.99	9.0	100	03	03
		47-3013	Helpers--Electricians	175	25	69	10.01	11.0	100	03	03
		49-9051	Electrical Power-Line Installers & Repa	93	34	104	23.16	9.0	100	03	03
46.0400	Building/property Maintenance and Management			2,180	38	88	14.73	9.7			
		47-1011	First-Line Supervisors/Managers of Const	127	46	76	22.51	8.0	17	03	03
		47-2051	Cement Masons & Concrete Finishers	481	32	71	15.40	10.0	100	03	03
		47-2053	Terrazzo Workers & Finishers	14	32	71	10.81	9.0	100	03	03
		47-2081	Drywall & Ceiling Tile Installers	431	24	57	13.61	10.0	100	03	03
		47-2121	Glaziers	69	30	71	12.74	9.0	100	03	03
		47-4011	Construction & Building Inspectors	131	55	94	19.86	8.0	100	03	03
		49-9042	Maintenance & Repair Workers, General	908	44	114	13.36	10.0	100	03	03
		49-9095	Manufactured Building & Mobile Home Ins	19	35	90	11.13	10.0	100	03	03
46.0500	Pipefitting/Pipefitter & Sprinkler Fitter (New)			718	35	80	18.22	9.0			
		47-1011	First-Line Supervisors/Managers of Const	127	46	76	22.51	8.0	17	03	03
		47-2151	Pipelayers	71	25	68	13.18	10.0	100	03	03
		47-2152	Plumbers, Pipefitters, & Steamfitters	484	34	83	18.03	9.0	100	03	03
		47-4071	Septic Tank Servicers & Sewer Pipe Clea	26	35	80	14.14	10.0	100	03	03
		47-5012	Rotary Drill Operators, Oil & Gas	1	27	75	19.72	10.0	100	03	02
		47-5031	Explosives Workers, Ordnance Handling Ex	9	29	81	19.11	10.0	100	03	03
46.9900	Building/Construction Trades, Other			469	34	62	16.99	9.0			

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		47-1011	First-Line Supervisors/Managers of Const	127	46	76	22.51	8.0	17	03	03
		47-2041	Carpet Installers	86	38	75	15.37	10.0	100	03	03
		47-2161	Plasterers & Stucco Masons	186	27	51	14.07	9.0	100	03	03
		47-2171	Reinforcing Iron & Rebar Workers	38	26	49	16.00	9.0	100	03	03
		47-4041	Hazardous Materials Removal Workers	33	26	46	17.61	10.0	33	03	03
47.0100	Electrical/Electronics Equipment Installation & Repair, General			699	38	90	16.46	8.4			
		27-4013	Radio Operators	1	41	72	14.74	10.0	100	03	03
		49-2011	Computer, Automated Teller, & Office Ma	57	40	93	15.70	7.0	100	03	03
		49-2021	Radio Mechanics	4	30	97	25.53	7.0	100	03	03
		49-2022	Telecommunications Equipment Installers	114	30	84	22.20	9.0	100	03	03
		49-2092	Electric Motor, Power Tool, & Related R	11	28	83	17.33	7.0	100	03	03
		49-2094	Electrical & Electronics Repairers, Com	114	51	107	16.96	7.0	100	03	03
		49-2097	Electronic Home Entertainment Equipment	56	46	99	14.27	7.0	100	03	03
		49-9031	Home Appliance Repairers	23	31	83	14.59	9.0	50	03	03
		49-9052	Telecommunications Line Installers & Re	183	36	85	15.54	9.0	100	03	03
		49-9061	Camera & Photographic Equipment Repaire	3	47	103	18.06	10.0	100	03	03
		49-9091	Coin, Vending, & Amusement Machine Serv	28	26	70	14.63	10.0	100	03	03
		51-2021	Coil Winders, Tapers, & Finishers	9	27	74	12.75	11.0	100	03	01
		51-2022	Electrical & Electronic Equipment Assem	54	41	102	13.49	11.0	100	03	03
		51-9141	Semiconductor Processors	42	38	77	13.25	6.0	100	03	01
47.0200	Heating, Air Conditioning, Ventilation & Refrigeration Maintenance Technology/Te			128	40	108	17.21	9.0			
		49-9021	Heating, Air Conditioning, & Refrigerat	128	40	108	17.21	9.0	50	03	03
47.0300	Heavy Equipment Maintenance/Technology/Technician			461	42	106	14.43	10.1			
		47-4021	Elevator Installers & Repairers	22	31	108	19.64	9.0	100	03	03
		49-3042	Mobile Heavy Equipment Mechanics, Except	48	45	115	18.36	7.0	50	03	03
		49-3043	Rail Car Repairers	6	27	92	21.17	9.0	100	03	03
		49-9041	Industrial Machinery Mechanics	74	35	108	19.24	9.0	100	03	03
		49-9043	Maintenance Workers, Machinery	72	35	95	19.63	11.0	100	03	03
		49-9098	Helpers--Installation, Maintenance, & R	224	48	108	9.81	11.0	100	03	03
		51-2031	Engine & Other Machine Assemblers	6	33	112	18.05	11.0	50	03	03
		51-6062	Textile Cutting Machine Setters, Operator	5	34	95	8.54	10.0	100	03	03
		51-6063	Textile Knitting & Weaving Machine Set	4	34	95	6.58	9.0	100	03	03
47.0400	Locksmithing & Safe Repair			86	27	70	18.39	9.2			
		49-9063	Musical Instrument Repairers & Tuners	20	24	66	30.49	9.0	100	03	03

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		49-9064	Watch Repairers	20	29	69	14.75	9.0	100	03	03
		49-9094	Locksmiths & Safe Repairers	28	25	74	14.91	10.0	100	03	03
		51-2093	Timing Device Assemblers, Adjusters, &	7	32	81	13.25	10.0	100	03	00
		51-9071	Jewelers & Precious Stone & Metal Work	11	29	66	15.13	7.0	100	03	03
47.0600	Autobody/Collision & Repair Technology & Technician			1,096	39	96	16.71	7.6			
		49-2091	Avionics Technicians	25	39	104	22.37	7.0	100	03	03
		49-2093	Electrical & Electronics Installers &	21	33	87	22.66	7.0	100	03	03
		49-2096	Electronic Equipment Installers & Repair	11	33	87	11.55	7.0	100	03	03
		49-3011	Aircraft Mechanics & Service Technician	81	34	100	21.34	7.0	50	03	03
		49-3021	Automotive Body & Related Repairers	151	39	90	17.88	9.0	100	03	03
		49-3022	Automotive Glass Installers & Repairers	35	29	70	12.28	9.0	100	03	03
		49-3023	Automotive Service Technicians & Mechan	420	43	104	15.61	7.0	50	03	03
		49-3031	Bus & Truck Mechanics & Diesel Engine	229	42	93	17.30	7.0	100	03	03
		49-3051	Motorboat Mechanics	14	30	89	13.52	9.0	100	03	03
		49-3052	Motorcycle Mechanics	11	31	86	13.01	9.0	100	03	03
		49-3053	Outdoor Power Equipment & Other Small E	19	28	87	13.35	10.0	100	03	03
		49-3091	Bicycle Repairers	9	29	76	9.60	10.0	100	03	03
		49-3092	Recreational Vehicle Service Technicians	40	35	90	12.89	9.0	100	03	03
		51-2011	Aircraft Structure, Surfaces, Rigging, &	24	34	91	19.97	9.0	100	03	03
		51-2031	Engine & Other Machine Assemblers	6	33	112	18.05	11.0	50	03	03
47.9900	Mechanic & Repair Technology, Other			33	26	46	17.61	10.0			
		47-4041	Hazardous Materials Removal Workers	33	26	46	17.61	10.0	33	03	03
48.0300	Upholstery/Upholsterer			21	30	61	10.39	9.0			
		51-6041	Shoe & Leather Workers & Repairers	9	33	64	9.41	9.0	100	03	03
		51-6093	Upholsterers	12	27	58	11.13	9.0	100	03	03
48.0500	Machine Tool Technology/Machinist			977	32	87	13.79	9.6			
		47-2211	Sheet Metal Workers	229	31	91	14.63	10.0	100	03	03
		51-2041	Structural Metal Fabricators & Fitters	25	33	74	13.32	10.0	100	03	03
		51-4011	Computer-Controlled Machine Tool Operato	27	32	86	14.63	10.0	100	03	03
		51-4021	Extruding & Drawing Machine Setters, Op	50	30	79	12.27	10.0	100	03	03
		51-4022	Forging Machine Setters, Operators, & T	9	33	81	13.46	10.0	100	03	03
		51-4023	Rolling Machine Setters, Operators, & T	8	38	79	11.43	10.0	100	03	03
		51-4031	Cutting, Punching, & Press Machine Sett	83	30	83	10.62	10.0	100	03	03
		51-4032	Drilling & Boring Machine Tool Setters,	16	37	83	12.56	10.0	100	03	03

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CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		51-4035	Milling & Planing Machine Setters, Oper	14	25	77	11.99	10.0	100	03	03
		51-4041	Machinists	154	45	116	15.73	9.0	100	03	03
		51-4061	Model Makers, Metal & Plastic	4	45	115	9.35	10.0	100	03	00
		51-4062	Patternmakers, Metal & Plastic	2	32	85	15.38	10.0	100	03	01
		51-4071	Foundry Mold & Coremakers	5	27	69	13.37	10.0	100	03	03
		51-4081	Multiple Machine Tool Setters, Operators	25	36	85	14.47	10.0	100	03	03
		51-4111	Tool & Die Makers	17	25	86	20.12	9.0	100	03	03
		51-4121	Welders, Cutters, Solderers, & Brazers	265	26	75	13.00	9.0	100	03	03
		51-4122	Welding, Soldering, & Brazing Machine S	17	29	78	13.99	10.0	100	03	03
		51-4191	Heat Treating Equipment Setters, Operato	11	27	68	11.84	10.0	100	03	03
		51-4192	Lay-Out Workers, Metal & Plastic	2	33	65	13.68	10.0	100	03	03
		51-4194	Tool Grinders, Filers, & Sharpeners	14	36	100	15.21	10.0	100	03	03
48.0700	Woodworking, General			44	27	67	11.12	9.5			
		51-7021	Furniture Finishers	18	25	49	12.31	9.0	100	03	03
		51-7031	Model Makers, Wood	3	29	69	9.99	9.0	100	03	00
		51-7032	Patternmakers, Wood	3	29	69	13.84	9.0	100	03	03
48.0800	Boilermaking/Boilermaker (New)	51-7042	Woodworking Machine Setters, Operators,	20	27	83	9.81	10.0	100	03	03
		47-2011	Boilermakers	40	30	105	20.30	9.0			
49.0100	Aeronautics/Aviation/Aerospace Science & Technology, General			81	50	68	30.73	7.7			
		11-3071	Transportation, Storage, & Distribution	21	46	59	30.28	8.0	33	03	03
		53-2012	Commercial Pilots	42	54	73	25.84	7.0	100	03	03
		53-2021	Air Traffic Controllers	18	47	67	42.67	9.0	100	03	03
49.0200	Construction/Heavy Equipment/Earthmoving Equipment Operation			2,199	31	60	14.48	10.4			
		49-9096	Riggers	11	36	93	13.71	11.0	100	03	02
		53-3021	Bus Drivers, Transit & Intercity	159	38	64	15.16	10.0	100	03	03
		53-3032	Truck Drivers, Heavy & Tractor-Trailer	1,054	29	55	16.04	10.0	100	03	03
		53-3033	Truck Drivers, Light or Delivery Service	542	27	57	12.53	11.0	100	03	03
		53-3041	Taxi Drivers & Chauffeurs	80	32	52	9.00	11.0	100	03	03
		53-4021	Railroad Brake, Signal, & Switch Operat	2	27	59	19.37	8.0	100	03	00
		53-4031	Railroad Conductors & Yardmasters	34	41	62	21.13	8.0	100	03	00
		53-7011	Conveyor Operators & Tenders	47	29	72	13.83	11.0	100	03	03
		53-7021	Crane & Tower Operators	21	30	67	17.04	10.0	100	03	03
		53-7031	Dredge Operators	3	27	55	20.26	10.0	100	03	03

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CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
49.0300	Commercial Fishing	53-7051	Industrial Truck & Tractor Operators	242	45	83	12.29	11.0	100	03	03
		53-5021	Captains, Mates, & Pilots of Water Vess	5	43	65	13.32	8.0	100	03	03
		53-5022	Motorboat Operators	3	24	73	17.20	10.0	100	03	03
49.9900	Transportation & Materials Moving Services, Other			51	37	64	31.72	8.0			
		53-4011	Locomotive Engineers	51	37	64	31.72	8.0	100	00	02
50.0100	Visual & Performing Arts, General (New)			25	33	59	16.39	9.0			
		27-1013	Fine Artists, Including Painters, Sculpt	6	29	47	21.59	9.0	33	03	03
		27-4021	Photographers	19	35	63	14.61	9.0	25	03	03
50.0300	Dance, General			43	34	27	15.71	8.0			
		27-2032	Choreographers	43	34	27	15.71	8.0			
50.0400	Design & Visual Communications, General			19	35	63	14.61	9.0			
		27-4021	Photographers	19	35	63	14.61	9.0	25	03	03
50.0500	Drama & Dramatics/Theatre Arts, General			19	38	40	31.82	9.0			
		27-2011	Actors	19	38	40	31.82	9.0	100	03	03
50.0600	Film/Cinema Studies			32	34	64	14.23	9.4			
		27-4021	Photographers	19	35	63	14.61	9.0	25	03	03
		27-4031	Camera Operators, Television, Video, &	13	33	67	13.70	10.0	50	03	03
50.0700	Fine/Studio Arts, General			6	29	47	21.59	9.0			
		27-1013	Fine Artists, Including Painters, Sculpt	6	29	47	21.59	9.0	33	03	03
50.0900	Music, General			39	29	29	29.90	9.0			
		27-2042	Musicians & Singers	39	29	29	29.90	9.0	100	03	03
51.0600	Dental Assisting/Assistant			695	49	79	15.93	9.2			
		29-2021	Dental Hygienists	137	53	61	28.69	6.0	100	03	03
		31-9091	Dental Assistants	519	49	84	12.69	10.0	100	03	03
		51-9081	Dental Laboratory Technicians	39	45	73	14.31	9.0	100	03	03
51.0700	Health/Health Care Administration/Management			2,240	48	51	14.04	9.2			
		13-1031	Claims Adjusters, Examiners, & Investig	90	52	44	22.79	9.0	50	03	03
		15-1041	Computer Support Specialists	89	53	95	20.10	6.0	20	03	03
		29-2071	Medical Records & Health Information Te	271	47	54	12.11	6.0	100	03	03
		31-9092	Medical Assistants	279	54	63	11.36	10.0	25	03	03
		43-1011	First-Line Supervisors/Managers of Offic	295	46	40	19.93	8.0	33	03	03
		43-4171	Receptionists & Information Clerks	610	47	48	10.15	11.0	50	03	03

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CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		43-6011	Executive Secretaries & Administrative Medical Secretaries	476	45	46	15.50	10.0	50	03	03
		43-6013	Medical Secretaries	131	44	54	13.23	7.0	100	03	03
51.0800	Medical/Clinical Assistant			1,250	52	66	12.54	8.8			
		29-2012	Medical & Clinical Laboratory Technicians	181	56	80	13.70	6.0	50	03	03
		29-2041	Emergency Medical Technicians & Paramedics	70	55	87	14.46	7.0	50	03	03
		29-2052	Pharmacy Technicians	189	52	49	11.69	10.0	100	03	03
		29-2054	Respiratory Therapy Technicians	36	63	109	14.63	7.0	50	03	03
		29-2055	Surgical Technologists	65	55	86	19.65	7.0	50	03	03
		31-2011	Occupational Therapist Assistants	15	43	55	15.06	6.0	100	03	03
		31-2012	Occupational Therapist Aides	8	43	55	11.32	11.0	100	03	03
		31-2021	Physical Therapist Assistants	127	57	66	14.58	6.0	100	03	03
		31-2022	Physical Therapist Aides	111	45	53	8.85	11.0	100	03	03
		31-9092	Medical Assistants	279	54	63	11.36	10.0	25	03	03
		31-9093	Medical Equipment Preparers	56	28	70	12.41	11.0	100	03	03
		31-9095	Pharmacy Aides	84	48	57	10.56	11.0	100	03	03
		31-9096	Veterinary Assistants & Laboratory Animal Technicians	29	44	41	9.13	11.0	100	03	03
51.0900	Cardiovascular Technology/Technologist			1,041	55	74	17.54	7.3			
		29-1124	Radiation Therapists	48	46	61	29.95	6.0	100	03	03
		29-1126	Respiratory Therapists	133	57	79	18.86	6.0	100	03	03
		29-2031	Cardiovascular Technologists & Technicians	45	49	70	18.38	6.0	100	03	03
		29-2032	Diagnostic Medical Sonographers	60	57	73	26.54	6.0	100	03	03
		29-2033	Nuclear Medicine Technologists	15	51	73	25.46	6.0	100	03	03
		29-2034	Radiologic Technologists & Technicians	282	55	76	19.33	6.0	100	03	03
		29-2041	Emergency Medical Technicians & Paramedics	70	55	87	14.46	7.0	50	03	03
		29-2054	Respiratory Therapy Technicians	36	63	109	14.63	7.0	50	03	03
		29-2055	Surgical Technologists	65	55	86	19.65	7.0	50	03	03
		31-9092	Medical Assistants	279	54	63	11.36	10.0	25	03	03
		53-3011	Ambulance Drivers & Attendants, Except Ambulance Drivers	8	32	40	8.93	10.0	100	03	03
51.1000	Blood Bank Technology Specialist			205	54	79	13.53	6.5			
		29-2012	Medical & Clinical Laboratory Technicians	181	56	80	13.70	6.0	50	03	03
		51-9083	Ophthalmic Laboratory Technicians	24	34	74	12.23	10.0	100	03	03
51.1500	Substance Abuse/Addiction Counseling			364	46	38	12.58	10.1			
		21-1093	Social & Human Service Assistants	292	45	37	12.88	10.0	100	03	03
		29-2053	Psychiatric Technicians	39	48	35	12.19	10.0	100	03	03

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CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
51.1600	Nursing - Registered Nurse Training (RN, ASN, BSN, MSN)	31-1013	Psychiatric Aides	33	51	50	10.35	11.0	50	03	03
		29-1111	Registered Nurses	3,826	59	68	20.97	6.9			
		29-2061	Licensed Practical & Licensed Vocational	2,692	60	63	24.34	6.0	100	03	03
		31-1012	Nursing Aides, Orderlies, & Attendants	547	69	94	16.40	7.0	100	03	03
51.1800	Optician/Ophthalmic Dispensing Optician			587	46	64	9.77	11.0	50	03	03
		29-2081	Opticians, Dispensing	332	52	61	11.51	9.8			
		31-9092	Medical Assistants	53	44	56	12.27	9.0	100	03	03
51.2300	Art Therapy/Therapist			279	54	63	11.36	10.0	25	03	03
		51-9082	Medical Appliance Technicians	9	37	81	14.14	9.0			
51.2600	Health Aide			9	37	81	14.14	9.0	100	03	03
		31-1011	Home Health Aides	1,334	41	46	9.27	11.0			
		31-1012	Nursing Aides, Orderlies, & Attendants	714	37	31	8.80	11.0	100	03	03
		31-1013	Psychiatric Aides	587	46	64	9.77	11.0	50	03	03
51.2700	Medical Illustration/Medical Illustrator			33	51	50	10.35	11.0	50	03	03
		27-1013	Fine Artists, Including Painters, Sculpt	6	29	47	21.59	9.0			
51.3100	Dietetics/Dietician (RD)			6	29	47	21.59	9.0	33	03	03
		29-2051	Dietetic Technicians	19	56	37	10.39	10.0			
52.0200	Business Administration/Management			19	56	37	10.39	10.0	33	03	03
		11-3071	Transportation, Storage, & Distribution	1,225	50	77	21.26	8.0			
		13-1051	Cost Estimators	21	46	59	30.28	8.0	33	03	03
		41-1011	First-Line Supervisors/Managers of Retail	31	59	82	23.35	8.0	17	03	03
		43-1011	First-Line Supervisors/Managers of Office	173	48	71	16.91	8.0	17	03	03
		49-1011	First-Line Supervisors/Managers of Mechanical	295	46	40	19.93	8.0	33	03	03
		51-1011	First-Line Supervisors/Managers of Production	381	54	118	23.56	8.0	100	03	03
52.0300	Accounting			324	48	67	21.31	8.0	100	03	03
		13-2082	Tax Preparers	1,361	45	45	13.45	10.0			
		43-3021	Billing & Posting Clerks & Machine Oper	18	46	30	14.45	10.0	50	03	03
		43-3031	Bookkeeping, Accounting, & Auditing Clerks	243	36	39	12.70	10.0	100	03	03
		43-3051	Payroll & Timekeeping Clerks	891	46	47	13.77	10.0	100	03	03
		43-4011	Brokerage Clerks	188	49	50	12.67	10.0	100	03	03
		43-9111	Statistical Assistants	17	43	35	14.75	10.0	100	03	03
52.0400	Administrative Assistant & Secretarial Science, General			4	39	41	13.65	10.0	100	03	03
		43-2011	Switchboard Operators, Including Answer	8,333	43	43	12.08	10.6			
				142	33	33	10.66	11.0	100	03	03

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		43-2021	Telephone Operators	22	32	32	9.68	11.0	100	03	03
		43-3061	Procurement Clerks	35	53	51	14.55	11.0	100	03	03
		43-4021	Correspondence Clerks	17	40	33	12.86	11.0	100	03	03
		43-4031	Court, Municipal, & License Clerks	142	42	31	13.38	11.0	100	03	03
		43-4051	Customer Service Representatives	2,213	43	41	12.15	10.0	100	03	03
		43-4071	File Clerks	189	41	47	9.87	11.0	100	03	03
		43-4111	Interviewers, Except Eligibility & Loan	250	44	37	10.98	11.0	100	03	03
		43-4151	Order Clerks	127	46	60	11.52	11.0	100	03	03
		43-4161	Human Resources Assistants, Except Payro	182	48	46	13.57	11.0	100	03	03
		43-4171	Receptionists & Information Clerks	610	47	48	10.15	11.0	50	03	03
		43-5011	Cargo & Freight Agents	38	32	39	18.02	10.0	100	03	03
		43-5051	Postal Service Clerks	35	33	37	18.93	11.0	100	03	03
		43-5052	Postal Service Mail Carriers	216	29	27	18.90	11.0	100	03	03
		43-5061	Production, Planning, & Expediting Cler	188	49	52	15.82	11.0	100	03	03
		43-5071	Shipping, Receiving, & Traffic Clerks	621	45	44	10.62	11.0	100	03	03
		43-5111	Weighers, Measurers, Checkers, & Sample	61	34	53	11.39	11.0	100	03	03
		43-6011	Executive Secretaries & Administrative	476	45	46	15.50	10.0	50	03	03
		43-6014	Secretaries, Except Legal, Medical, & E	631	45	53	11.98	10.0	100	03	03
		43-9021	Data Entry Keyers	72	28	46	10.96	10.0	33	03	03
		43-9022	Word Processors & Typists	42	45	62	11.84	10.0	50	03	03
		43-9041	Insurance Claims & Policy Processing Cl	99	43	33	14.66	10.0	100	03	03
		43-9051	Mail Clerks & Mail Machine Operators, E	73	31	48	10.09	11.0	100	03	03
		43-9061	Office Clerks, General	1,838	40	42	11.05	11.0	100	03	03
		53-6041	Traffic Technicians	14	55	68	16.94	11.0	100	03	03
52.0800	Finance, General			1,261	47	52	12.07	10.9			
		43-3011	Bill & Account Collectors	569	52	65	12.75	11.0	100	03	03
		43-3071	Tellers	467	43	46	10.64	11.0	100	03	03
		43-4041	Credit Authorizers, Checkers, & Clerks	81	39	29	12.11	11.0	100	03	03
		43-4131	Loan Interviewers & Clerks	81	42	32	14.36	11.0	100	03	03
		43-4141	New Accounts Clerks	63	40	36	13.43	8.0	100	03	03
52.0900	Hospitality Administration/Management, General			291	45	59	15.58	8.6			
		11-9051	Food Service Managers	182	49	70	17.93	8.0	50	03	03
		11-9081	Lodging Managers	19	54	61	17.61	8.0	50	03	03
		39-6021	Tour Guides & Escorts	74	34	36	9.92	10.0	100	03	03

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Openings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
52.1500	Real Estate	39-9041	Residential Advisors	16	44	35	12.59	10.0	100	03	03
				280	48	46	21.72	7.0			
		13-2021	Appraisers & Assessors of Real Estate	112	42	38	21.15	7.0	100	03	03
		41-9022	Real Estate Sales Agents	168	51	50	22.10	7.0	100	03	03
52.1600	Taxation			18	45	30	14.45	10.0			
		13-2082	Tax Preparers	18	46	30	14.45	10.0	50	03	03
52.1700	Sales, Distribution, & Marketing Operations, General			2,316	42	47	14.59	10.4			
		13-1022	Wholesale & Retail Buyers, Except Farm	28	51	70	19.78	8.0	25	03	03
		13-1023	Purchasing Agents, Except Wholesale, Ret	177	51	71	21.98	8.0	100	03	03
		13-1031	Claims Adjusters, Examiners, & Investig	90	52	44	22.79	9.0	50	03	03
		13-1032	Insurance Appraisers, Auto Damage	11	43	41	20.54	9.0	100	03	03
		41-2031	Retail Salespersons	1,411	40	43	11.10	11.0	33	03	03
		41-4012	Sales Representatives, Wholesale & Manu	496	46	50	20.97	10.0	33	03	03
		41-9041	Telemarketers	105	34	36	9.95	11.0	50	03	03
52.1800	Merchandising & Buying Operations			9,747	37	45	10.24	10.8			
		13-1022	Wholesale & Retail Buyers, Except Farm	28	51	70	19.78	8.0	25	03	03
		39-6022	Travel Guides	10	39	49	13.06	10.0	100	03	03
		39-6032	Transportation Attendants, Except Flight	12	33	36	8.98	11.0	100	03	03
		41-1011	First-Line Supervisors/Managers of Retail	173	48	71	16.91	8.0	17	03	03
		41-2011	Cashiers	5,254	36	46	8.76	11.0	100	03	03
		41-2021	Counter & Rental Clerks	524	32	37	11.46	11.0	100	03	03
		41-2022	Parts Salespersons	64	47	72	14.38	10.0	50	03	03
		41-2031	Retail Salespersons	1,411	40	43	11.10	11.0	33	03	03
		41-3041	Travel Agents	101	49	56	10.43	7.0	50	03	03
		41-4011	Sales Representatives, Wholesale & Manu	343	41	48	22.99	10.0	50	03	03
		41-9011	Demonstrators & Product Promoters	100	46	44	12.04	10.0	100	03	03
		41-9041	Telemarketers	105	34	36	9.95	11.0	50	03	03
		41-9091	Door-To-Door Sales Workers, News & Stre	69	34	36	9.97	11.0	100	03	03
		43-4081	Hotel, Motel, & Resort Desk Clerks	259	43	51	8.04	11.0	100	03	03
		43-4181	Reservation & Transportation Ticket Age	86	42	30	13.21	11.0	50	03	03
		43-5081	Stock Clerks & Order Fillers	1,003	33	34	10.30	11.0	100	03	03
		53-3031	Driver/Sales Workers	206	40	44	9.93	11.0	100	03	03
52.1900	Fashion Merchandising			1,176	46	51	19.21	9.1			
		11-9081	Lodging Managers	19	54	61	17.61	8.0	50	03	03

Detailed Occupational Data Within all Available CIP Codes For 2006 CTE Program List With Percent Alloc

CIP Code	CIP Title	SOC Code	Occupational Title	Open-ings	Scores		Hourly Wage	Educ Level	Pct Alloc	Open Year	Wage Year
					Acad	Tech					
		13-1022	Wholesale & Retail Buyers, Except Farm	28	51	70	19.78	8.0	25	03	03
		41-1011	First-Line Supervisors/Managers of Retail	173	48	71	16.91	8.0	17	03	03
		41-1012	First-Line Supervisors/Managers of Non-R	210	42	34	25.18	8.0	50	03	03
		41-2022	Parts Salespersons	64	47	72	14.38	10.0	50	03	03
		41-3041	Travel Agents	101	49	56	10.43	7.0	50	03	03
		41-4012	Sales Representatives, Wholesale & Manu	496	46	50	20.97	10.0	33	03	03
		43-4181	Reservation & Transportation Ticket Age	86	42	30	13.21	11.0	50	03	03
52.9900	Business, Management, Marketing, & Related Support Services,			1,222	44	49	21.69	9.4			
		41-1011	First-Line Supervisors/Managers of Retail	173	48	71	16.91	8.0	17	03	03
		41-1012	First-Line Supervisors/Managers of Non-R	210	42	34	25.18	8.0	50	03	03
		41-4011	Sales Representatives, Wholesale & Manu	343	41	48	22.99	10.0	50	03	03
		41-4012	Sales Representatives, Wholesale & Manu	496	46	50	20.97	10.0	33	03	03

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EMPLOYERS ONLY

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Welcome to Arizona Workforce Informer:
This site is under constant development. You will find in these pages, current and historic labor market data and statistics, along with the most current population data and analysis. These and many other resources are available to assist students, job seekers, developers, planners, law makers and economists in making informed decisions. To learn more about the site, take [the tour](#). For a list of publications and products, see the... [Where Is It](#) feature on the home page.

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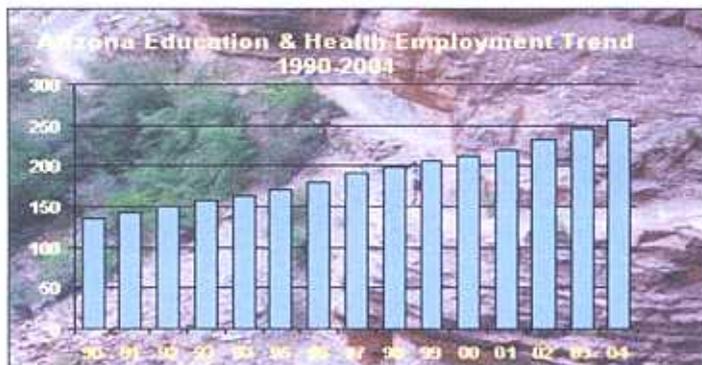
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Job Fairs 10/6/04 [See them on this page](#)

Where Is It

CAN'T FIND YOUR DATA.. LOOK HERE



[Click here for more industry employment data.](#)

Employment estimates under the North American Industrial Classification System (NAICS) for 1990 through 2000 have been reconstructed. Data is in thousands, rounded to the nearest hundred.

Source: Prepared by the Arizona Dept. of Economic Security, Research Administration, in cooperation with the U.S. Dept. of Labor, Bureau of Labor Statistics, August 2004

What's New in 202

2002/2004 Quarterly Census of Employment and Wages (ES202)

All reports are PRELIMINARY

Run Date 9-09-04

4th Qtr. '02 [excel](#) 1st Qtr. '03 [excel](#) 2nd Qtr. '03 [excel](#)

3rd Qtr. '03 [excel](#) 4th Qtr. '03 [excel](#) 1st Qtr. '04 [excel](#)

CES Non-Farm Payroll Employment By County
ANNUAL AVERAGES IN THOUSANDS

County	1998	1999	2000	2001	2002	2003
Apache	19.4	20.2	19.3	19.2	19.2	19.3
Cochise	29.8	30.7	32.0	32.9	33.4	33.8
Coconino	52.0	54.9	58.4	58.5	58.9	58.1
Gila	14.5	14.1	14.2	14.1	13.9	13.8
Graham	6.7	7.0	7.0	7.0	7.0	6.9
Greenlee	4.3	4.0	4.5	3.9	3.6	3.4
La Paz	4.9	5.0	5.3	4.8	4.8	4.9

Press Release

Press release from Arizona Department of Economic Security, Research Administration

Arizona's Workforce

Arizona's Unemployment Rate at 4.4 Percent in August as Economy Adds 34,000 Jobs
By Don Wehbey, Senior Economist
9/16/2004

[go to publication ...](#)



Quick Stats

Unemployment Rate (Sea. Adj.)

	Aug '04	July '04	Aug '03
United States	5.4%	5.5%	6.1%
Arizona	4.4%	4.3%	5.7%
Phoenix-Metro	3.8%	3.7%	5.0%
Tucson-Metro	3.5%	3.5%	4.4%

[Average Unemployment Rate Trend 1994-2004](#)

NEW Link to Census 2000 EEO data

The [Affirmative Action](#) section of our website contains several files from the Census 2000 Special EEO Tabulation. These files have been formatted for easier reading and printing. If you can't find the data you are looking for in our files, more EEO data files are available directly from... [EEO data tool](#)

2003 Average Hourly Wage by County

apache county	\$16.09
cochise county	\$14.26
coconino county	\$13.49
gila county	\$13.14
graham county	\$13.37
greenlee county	\$16.63
la paz county	\$11.49
maricopa county	\$15.56
moHAVE county	\$13.16
navajo county	\$14.29
pima county	\$15.68
pinal county	\$13.73
santa cruz county	\$14.75
Yavapai county	\$13.94
yuma county	\$12.17

Data based on 2nd Quarter 2003 reference period. Prepared by Arizona Dept of Economic Security in cooperation with U.S. Dept of Labor, Bureau of Labor Statistics.

Occupational Employment and Wage Estimates

Employment and wage estimates by occupation for the State, Metropolitan Area and Counties. For Tucson MSA, see Pima County, for Yuma MSA see Yuma County. See [2003 Technical Notes document](#) for additional information.

May 2003 Wage & Employment Data

2003 Data In Excel:

Arizona

2003 Data In PDF:

Arizona

Some Things We Would Like For You To Know About Professional Development Workshops For 2005

Workshop Announcements and Registration Forms

- As workshops are scheduled, announcements and registration information are emailed to local directors to be shared with the appropriate teachers. Sometimes targeted audiences are emailed also. It's very important for the CTE Unit to have current email addresses.
- Workshop announcements and online registration are also available at <http://www.ade.az.gov/cte>. (Click on CTE Events Calendar and follow the instructions.) The online registration is checked regularly. This is the best way to find out the workshops that are being offered. If a teacher tells you that he/she cannot find the workshop or cannot complete the registration process, tell them to call Judy at 480.965.8458 or email jbalogh@asu.edu; or call Lynne at 480.727.8342 or email lynne.hall@asu.edu.

Scheduling Professional Development

- Because of district breaks, Spring Breaks, CTSO competitions, and AIMS testing and retesting dates, it is very difficult to select workshops dates that are agreeable to everyone. Just know that we do our best to accommodate everyone.

Preregistration Is Mandatory

- Most districts require approval of workshop attendance by the Department Chair and a purchase order from the Business Office prior to registering. It's important for teachers to know that the Business Office will not forward their registrations to the workshop coordinators. Teachers must follow up to make sure registrations have been received. Also, if they register online, they should ask the Business Office to fax (480.965.8016) a purchase order.
- Registration, cancellation, and substitution are the responsibility of the participant and must be completed 2 weeks prior to the workshop date. "No-shows" are billed unless the workshop coordinator is notified in writing (email or fax) of cancellation 2 weeks prior to the event.
- All information must be completed on the registration form. Surprisingly, many teachers DO NOT know the name of their programs (i.e., Business is listed rather than "Business Management and Administrative Services.") We need to know the name of their program as part of our "accountability documentation."

Registration Fee

- Checks, purchase orders, or purchase order numbers are accepted. Most districts require that teachers at least have a purchase order number before they register.

Ways to Register

- U.S. Mail. Use the address on registration form.
- Fax. Use the fax number on registration form.
- Email. If a workshop announcement is sent by email, complete, save, and send to email address on registration form.
- Online. Go to <http://www.ade.az.gov/cte>, click on CTE Events Calendar, and follow the instructions.

Confirmation and Driving Directions

- Confirmation and driving directions are mailed to the address on the registration form. . . generally the school address. . . unless the participant requests otherwise. All confirmations are mailed within two business days of receiving registration forms. Remind teachers to check their school mailboxes regularly, and if for some reason they do not receive a confirmation they should call the contact person listed on the registration form. Some teachers tell us they did not receive a confirmation . . . more specifically, directions to the workshop . . . but then they also tell us they haven't been checking their school mailboxes.

Professional Development Credit

- Teachers earn an hour for each hour of the workshop. Lunch is considered "networking" time.

Professionalism

- Please remind your teachers to adhere to beginning and ending times of workshops. Arriving late and leaving early is rude to the presenters and disruptive to the other participants.

We look forward to working with you and your teachers this year. Contact us with your questions, comments, or suggestions ...any time.

From: Office for Workforce Education & Development, Arizona State University

Judy Balogh
Phone: 480.965.8458
Email: jbalogh@asu.edu

Lynne Bodman Hall
Phone: 480.727.8342
Email: lynne.hall@asu.edu

Office Hours: 8:00 to 5:00 (If we're not there please leave a message!)

**2004-05 CAREER & TECHNICAL EDUCATION INDUSTRY UPDATE PROGRAM
Application Form**

INSTRUCTIONS: Read the separate Information Sheet before you begin. Complete all sections of this application and obtain necessary signatures before submitting this application to the University Program Coordinator. You will be notified upon receipt of your application. The University Program Coordinator will assist you with placement if needed. **Approval of your completed application and training plan is required before you begin the program.**

Note: The Application and Information Sheet are available online at www.ade.az.gov/cte/WhatsNew.

PERSONAL INFORMATION

Preferred address (check one)	School _____	Home _____
Last name _____	First name _____	
E-mail _____	School district _____	
School name _____	School phone _____	
School address _____	City _____	Zip _____
Home address _____	City _____	Zip _____
Home phone _____	Social Security Number _____	
	<small>(Needed for payment of stipend)</small>	

Your Job Title _____ Total years working in CTE _____

Please describe any of your past experiences with an externship, job shadowing experience, and/or business/industry tour (include timeframe and business information). _____

Please indicate your preference for dates when you could participate in this program.

First choice (month/days/year): _____

Second choice (month/days/year): _____

Third choice (month/days/year): _____

Eligibility/Program Information

Please select one.

I am a teacher in the _____ CTE program and teach these course(s):

I collaborate with a CTE teacher.

CTE teacher's name _____

CTE program name _____

CTE course(s) _____

I provide career guidance for CTE students. Job title _____

I am an administrator working with CTE teachers and programs. Job title _____

CTE Industry Update Program Offerings

Select the program option you are interested in pursuing. You may complete more than one option in the year, however, you must submit a separate application for each program offering. The University Program Coordinator reserves the right to place you in a different program based on your current and/or past experiences.

FAM Tour (business/industry tour) \$250/maximum for 5 days or \$50 per day

Job Shadowing Experience \$350/maximum for 5 days or \$70 per day

Externship (formerly Teacher Internship)
\$500/mimimum for 40 hours or \$1,000/maximum for 80 hours

If you have questions or need assistance with the application, please contact the University Program Coordinator listed below. COMPLETE THE INFORMATION ON THE FOLLOWING PAGES and mail, fax, or e-mail your completed application to Northern Arizona University. Applications will be processed in the order received and are subject to final approval by the University Program Coordinator. Participation is limited based on ADE funding.

Susan Cooper

Northern Arizona University – Institute for Future Work Force Development

P.O. Box 6025

Flagstaff, AZ 86011-6025

Phone: (928) 523-1398

Toll free: 1-800-522-2283

FAX: (928) 523-6395

E-mail: susan.cooper@nau.edu

FAM Tour (business/industry tour) Background Information

1. Please indicate your preferences for potential organized group tours.

CTE program specific _____ School or Dept. _____ School District _____ Other _____

2. Would you like a "customized tour" for your group? Yes _____ No _____

If yes, please provide the name, job title, and phone number of other participants.

3. Please indicate the length of time that you can participate in a tour.

Total number of days (maximum 40 hrs.) _____

4. Please indicate the type of industry and/or the specific work environment that you want to tour.

Job Shadowing Experience Background Information

1. Please indicate your preference for an individual or a group job shadowing experience.

Individual _____ Small Group _____

2. Do you have a particular small group in mind? Yes _____ No _____

If yes, please provide the name, job title, and phone number of other participants.

3. Please indicate a preference for the length of time you are available to job shadow.

Total number of days (maximum 40 hrs.) _____

4. Please indicate the type of industry and/or specific occupation you want to shadow.

Externship Background Information

1. Please indicate your preference for the length of the externship:

40 hours _____ 80 hours _____

2. Do you have a suggested site for your externship? (If not, the University Program Coordinator can help you.)

Yes _____ No _____

Agency/Business name _____

Contact person's name _____

Business address (city/zip) _____

Phone number (area code) _____

Have you already contacted the agency/business? Yes _____ No _____

If yes, whom did you contact? _____

School District Information

School Principal

Name _____

Phone number _____

CTE Local Director

Name _____

Phone number _____

Required Signatures

Applicant's signature _____ Date _____

CTE Local Director's signature _____ Date _____

2004-05 CTE INDUSTRY UPDATE PROGRAM TRAINING PLAN

Participating in the CTE Industry Update Program provides an opportunity for you to update your skills and collaborate with business/industry representatives. Please indicate which of the following eight objectives you hope to meet through the experience, including how you will measure the objectives you select. *Describe how your participation in this program will enhance the implementation or delivery of your CTE program and outline specific skills and knowledge you want to acquire. Please relate all experiences to your CTE program/students.*

Objective 1: Incorporate academic content into my CTE courses.

Measurable outcome(s):

Objective 2: Become familiar with current innovations in my CTE program area.

Measurable outcome(s):

Objective 3: Determine the most important skills students need to meet the requirements of industry.

Measurable outcome(s):

Objective 4: Provide a link between business/industry representatives and my CTE students.

Measurable outcome(s):

Objective 5: Establish a partnership with my host and utilize in an advisory capacity or as a resource.

Measurable outcome(s):

Objective 6: Update my curriculum to align with what is currently relevant to business/industry.

Measurable outcome(s):

Objective 7: Improve the selection, supervision, and support of CTE staff, courses, and programs.

Measurable outcome(s):

Objective 8: Coordinate Career Guidance and Counseling efforts to align with CTE performance measure guidelines (i.e., placement/graduation requirements).

Measurable outcome(s):

2004-05 CTE INDUSTRY UPDATE PROGRAM Information Sheet

PROGRAM DESCRIPTION

The 2004-05 CTE Industry Update Program provides educators the opportunity to update their knowledge and skills and receive on-the-job training in CTE program-related industries. Applicants are especially encouraged to pursue experiences in new technology and innovations consistent with their CTE programs by participating in one or more of the following program offerings:

1. **FAM Tour (business/industry tour):** A customized visit to a business/industry site to view the workplace environment. Emphasis will be placed on viewing the integration of the Arizona Workplace Standards in a workplace environment. The experience will enrich an applicant's understanding of the business and its career opportunities and will offer an understanding of the industry's needs relative to CTE program competencies. *Stipends are available at a rate of \$250 maximum for 5 days or \$50 per day.*
2. **Job Shadowing Experience:** A prearranged individual or small-group experience that is focused on a specific business or a broad industry group. The applicant will "shadow" an individual throughout a normal workday. He/she will observe the occupational and attitudinal skills needed in the workplace and will gain knowledge of specific tasks and duties relative to one or more positions. *Stipends are available at a rate of \$350 maximum for 5 days or \$70 per day.*
3. **Externship:** A customized experience whereby applicants will receive current information about a business by working and taking an in-depth look at a firm or organization. Time will be spent pursuing either a scaled-down version of a worker's duties or actual tasks connected with a specific position. The activities are planned to accomplish applicants' predetermined goals and to provide information relevant to a business or industry. *Stipends are available at a rate of \$500 minimum for 40 hours or \$1,000 maximum for 80 hours.*

ELIGIBILITY

This program is available for middle school/junior high and high school CTE teachers and/or academic teachers working with CTE teachers instructing Level I (middle school/junior high), Level II, and/or Level III programs in Arizona. Counselors who are responsible for the career guidance of CTE students or administrators who work with CTE teachers and programs are also eligible to participate in any of the program offerings.

LENGTH/DATES/STIPENDS

This program will be offered October 1, 2004, through September 30, 2005. Participants should specify a particular period of time when they are available (i.e., a school break in the fall, winter, spring or summer, weekends, etc.). The stipend is paid after submission of all required paperwork and may take 6-12 weeks to process. If a program is pursued during school hours, then the stipend will be paid to the school district for reimbursement of a substitute teacher (up-to-\$100 per day not to exceed 10 days). An applicant should submit a separate second or third application when applying for a different program offering within the contract period.

REQUIREMENTS

Applicants will be required to: (1) submit an application and training plan, (2) participate in an orientation, (3) participate in program activities, (4) submit a lesson plan that incorporates the training plan objectives, (5) submit a written summary of the experience, and (6) complete an exit questionnaire. The application, training plan, and lesson plan must address a specific CTE program/course and the students who will directly benefit from the applicant's experience. *Note: Graduate credit is available from NAU.*

SELECTION CRITERIA

The selection of applicants is based on the impact participation in the program will have on a specific CTE program/course and its students. Applications will be processed in the order in which they are received. Final approval will be based on the availability of funding. Applicants will be notified of their acceptance within 2 weeks of receipt of all application materials.

POTENTIAL AREAS TO PURSUE

Applicants will be asked to indicate how the CTE Industry Update Program will enhance the implementation and delivery of their CTE program by selecting **one or more** of the following objectives: (1) incorporate academic content into CTE courses; (2) become familiar with current innovations in CTE; (3) determine the skills students need to meet the requirements of the industry; (4) provide a link between industry representatives and CTE students; (5) establish partnerships to utilize in an advisory capacity or as a resource; (6) update curriculum with what is relevant to business/industry; (7) improve the selection, supervision and support of CTE staff, courses and programs; and/or (8) coordinate career guidance and counseling efforts to align with placement and graduation requirements for CTE programs.

SITE SELECTION

FAM Tour (business/industry tour), Job Shadowing Experiences, and Externships will be available at various locations throughout the state. Applicants may suggest a preferred site that they want to pursue or the University Program Coordinator will find a location for them. The **final** program offering selection(s) and the business site selection(s) must be approved by the University Program Coordinator.

LODGING/TRANSPORTATION

Any expenses incurred for lodging, meals, and transportation will be the responsibility of the school district or program participant.

CTE INDUSTRY UPDATE PLANNING INFORMATION

Applicants should determine their preference (one of three) for a program offering and the amount of time they wish to participate in that program. Program availability may dictate the amount of participation time and dates. Applications may be secured from the university Professional Development Office or they can be found on ADE's Career and Technical Education website www.ade.az.gov/cte/WhatsNew. Applications should be completed and returned to the University Program Coordinator listed below. An incomplete application will be returned to the applicant to be completed. Orientation sessions will be offered in workshop settings and online. Contact the University Program Coordinator for specific orientation information.

CTE LOCAL DIRECTOR APPROVAL

The CTE Local Director or district contact for CTE must approve each participant's completed application. **ONE OF THESE SIGNATURES IS REQUIRED ON THE APPLICATION.** If the application is submitted electronically, an e-mail confirmation/approval from the CTE Local Director or district contact is required.

UNIVERSITY PROGRAM COORDINATOR

Susan Cooper
Northern Arizona University - Institute for Future Work Force Development
P.O. Box 6025
Flagstaff, AZ 86011-6025
Phone: (928) 523-1398
Toll free: 1-800-522-2283
FAX: (928) 523-6395
Email: susan.cooper@nau.edu

ACOVA, ACTEAZ and NAU present:

Mid-Winter Leadership Conference

January 27-28, 2005

At the

Prescott Resort

1500 Highway 69

Prescott, AZ 86301

928/776-1666 or 800/967-4637

Highlights:

- Legislative Update—what's new on the horizon; impact of state and national legislation on you and your Career and Technical Education students
- Reinventing ourselves for the changing future
- Impact of organizations on legislation: ABC's of legislating
- Local Directors Meeting : on Thursday morning before the start of the conference
- The Next Tasks for Local Directors

Registration of \$165.00 includes:

- ✓ Meals: Thursday---Lunch, Snacks and Dinner;
Friday---Breakfast and Lunch
- ✓ Materials for the Retreat

Key Dates:

Hotel Reservation Deadline for Special Room Rate: January 02, 2005

Single: \$89.00; Suite: \$109.00

Workshop Registration Deadline: January 20, 2005

Check here if you would like to become an ACOVA member and include an additional \$15.00 to your registration.

Mail Registration with Payment (P.O. or Check) to:

ACOVA

c/o Lois Lamer

1003 Desert Jewel Drive

Cottonwood, AZ 86326

For more information:

Call Susan Cooper at 1-800-522-2283 or 928-523-1398

Name of Participant _____

School _____

Mailing Address _____

City, State, and Zip Code _____

Phone Number _____

Fax Number _____

E-Mail Address _____

Please list any Special Needs accommodations required in the space above.



ACOVA AND NAU PRESENT: MICHAEL BRUSTEIN, ESQ

**a nationally recognized education
advocate in Washington, D.C.**



**Attend a training session
that provides comprehensive
technical information on
Perkins, NCLB, IDEA, and
Title I.**

**QUESTIONS ABOUT COMPLIANCE ISSUES?
IF YOU ASK, HE WILL ANSWER.**

**November 15, 2004
9 am to 4 pm
Best Western Grace Inn at Ahwatukee
10831 S. 51st St, Phoenix, AZ**

Registration of \$160.00 includes:

- ▶ Meals: Continental Breakfast, Lunch and Snacks for the day
- ▶ Conference Materials

Special Room Rates have been arranged:

Single/double rate: \$85.00 per night

When making reservations please specify that you are part of the ACOVA/NAU meeting. Cut off date for special room rate is November 1, 2004.

Please call the hotel to make your room reservations.

Best Western Grace Inn at Ahwatukee

10831 S. 51st St

Phoenix, AZ

Phone: 800-843-6010

Fax or Mail Registration with Payment (P.O. or check) to:

NAU/INSTITUTE FOR FUTURE WORKFORCE DEVELOPMENT

Box 6025

Flagstaff, AZ 86011-6025

Attn: Susan Cooper

Fax #: 928-523-6395

Name of Participant _____

School/District _____

Mailing Address _____

City, State and Zip Code _____

Phone Number _____ FAX Number _____

E-Mail Address _____

ACOVA 2004 Camp M&M – Part 2
New Local Vocational Director Workshop
The Next 60 days

Give yourself a pat on the back, you made it through your first 40+ days and came back!

- The upcoming election is important. Please inquire of candidates about your needs.

Seven resources to keep on hand for reference:

- *The Handbook* dated April 2003. Published by ADE (online).
- Your Accountability Notebook with the regular updates (last of which was July 2004 *Secondary FY 2005 Guidelines for Program Evaluation and Continuous Improvement* [2nd Draft] for 05 evaluations). Separate components are published and presented by ADE (online).
- *The Arizona Vocational Education Accountability System*. Published by ADE 9/2000. (online)
- *The ACOVA Administrator's Survival Guide* (online at www.ACOVA.org)
- Your ADE federal programs contact: _____
- Your ACOVA mentor contact: _____
- Your Accountability Systems Team (AST) representative: _____

Seven imminent requirements during the next 60 days.

- **Prepare to submit your 40th day enrollment verification report online** (due about a month after your 40th day report). Your report needs to be based on data in place as of your district's 40th day. This verification is to confirm the accuracy of ADE's receipt of your 40th day report. (Handbook)
 - Make sure the data you submitted on the report is correct and complete
 - Identify all pertinent teachers and classes to be reported
 - Look at last year's reports (40th and 100th day, and year end summary)
 - Check to see if any "new" programs were proposed/approved ('04 NOI or in Basic Grant app for '05 [apparently can be amended in with approval now])
 - Check your '05 basic grant (Goal 1) from online submission
 - Special needs students -- report only students who received services from the IVEP categories which were necessary to pass CTE courses.
- **Manage the Perkins and Priority Programs Grants.**
 - Review the preliminary Priority funding report and try to find errors which would indicate a potential for inaccurate funding. Look at enrollment, placement, certification and program approval (Handbook)
 - Submit your Priority Programs Grant application online (State funds) by _____
 - Work through your local budget process to plan, administer and track expenditures (yes it is 6 to 9 months out of sync with the rest of the district budget cycles)
 - These funds are supplemental and must be used to support the district commitment to the vocational programs (Ted Davis' memoranda)
 - A defined portion of the Priority Programs Grant can be used by the district for basic program funding. That portion is equal to the 'old Group 'B'' budget capacity (ask Ted if you have a question 602.542.5349) (memoranda)
 - Some local directors need to watch/file their monthly cash management reports and processes
 - Mid-year reports are due in mid January. Perkins requires a narrative mid-year report online, even if no funds have flowed to you yet.
 - Plan and prepare/submit online grant amendments prior to 3/30. (6/30 if ending 9/30)
 - Remember to amend in any interest earned and carry over. (\$100 limit on Perkins)

ACOVA 2004 Camp M&M – Part 2
New Local Vocational Director Workshop
The Next 60 days

- **After your Data Quality Audit** (between July and mid October)
 - Make the corrections in your data as specified in your audit findings (Accountability Notebook)
 - Organize and gather data for your next program improvement evaluation team meetings. Use all data you find helpful and use the prescribed assessment tools for programs in review, for programs not meeting performance measures.
 - Local Evaluation Team Meeting minutes/recommendations
 - Industry Advisory committee meeting recommendations
 - ADE summary reports identifying completers, concentrators, samplers, non-traditional enrollment, graduates, placements, tech prep, etc.
 - Any relevant data you or your teachers compile

- **Attend the ACOVA/ACTEAZ Midwinter Conference: January 27 - 28 – Prescott.**
 - Get the last 100 days update, and a whole lot more!

- **Prepare the 100th day report online** (Handbook)
 - This will look and feel a lot like your 40th day report. The first report you get to do for the 'second' time.
 - This will be due approximately one month after your 100th day.
 - Verification will follow in March/April.

- **Attend the ACTEAZ policy seminar February 2004 – Phoenix?**
 - We (and/or our teachers and our students) must be willing to meet our legislators and let them know the value, importance and significance of our programs.
 - Build relationships with these federal, state and local policy makers for the long term, not just the current crisis.

- **Prepare for the Placement Follow Up data gathering and reporting process**
 - Confirm list of completers, concentrators and samplers from '04 leavers
 - Identify your district's follow up process/procedure. Follow-up can occur beginning 9 months after leaving HS
 - The placement portion of funds is 25% of the state funding for vocational programs.

District Committees to look into

- **Curriculum - Course Book Changes?**
 - New Courses (VCTE or competition?)
 - Course adjustments and impacts? Even outside of the VCTE courses!
 - Tech Prep alignments and articulation agreements
 - JTED relationships and course changes/schedule changes

- **Software Committees? Approvals?**
 - Management software
 - Curricular software

- **NCLB unified plan and remedial impacts?**

ACOVA 2004 Camp M&M – Part 2
New Local Vocational Director Workshop
The Next 60 days

Important to do:

- **Leadership**

- Meet with your teachers/department chairs to examine and plan their program development. (*What are you doing now? Where are you going next?*)
- Meet with your administrators, principal(s), business manager, superintendent to coordinate your CTE program plans with school and district plans. (*How does VCTE fit in your district/school? What is your present role? Who says?*)
- Meet with your community leaders: Chamber of Commerce, Economic Development Specialists, Mayor, council members, legislators (State and Federal) to assure continuing support for their CTE programs. (*What role does VCTE fulfill in your community?*)
 - VCTE week proclamation(s) ...
 - Rotary scholarships for VCTE students
- Meet with your VCTE program industry advisory committee members to assure community satisfaction and program support. (*What needs do your VCTE programs meet among businesses that you serve?*)
- Continue to coordinate with your Tech Prep Director (*How are your graduates connecting to continuing education opportunities?*) Funds available?
- Examine decision making model(s) for planning and implementing plans (*Who is involved? How much are they involved? How could this process improve? Timeline?*)
- Begin to draft your vision/mission for VCTE in your district

- **Management**

- Check the ongoing safety of your programs (Personal Protective Equipment usage?).
 - Co-op teachers work site safety check on file?
 - Teachers' equipment safety verifications on file in their work areas?
 - MSDS information compliance in place?
- CTSO spring competitions (sub-State and State level events) require permission forms, transportation & substitutes
 - DECA regional competitions are often a couple of days after the return from winter break
- Fiscal record keeping, grant management, voc ed fixed asset inventory.
 - Property disposal options (to clear out the junk)
 - Timberline Woodworking (et. al.) work trade-in agreements
- Gather/assemble/compile competency attainment data for the first semester (accountability notebook)
- Curricular oversight, program alignment, course alignment, competency alignment and tracking. SY '06 course book for student enrollment goes to press by mid December.
 - Follow this with any program sunset notices to ADE (4/1)
 - Submit Notification of Intent forms for new programs being started in the new year's course guide (4/1 deadline)
 - Changes in courses do not need to be reported to ADE unless they close or open a program.
 - Course offerings changes will be submitted in the '06 Perkins Grant Goal 1.
- Prepare public relations information
 - CTSO officer selection during the fall
 - CTSO officer training
 - New program start up information; new postsecondary articulations

ACOVA 2004 Camp M&M – Part 2
New Local Vocational Director Workshop
The Next 60 days

- School Board presentations
- Coop placement/employment and training partners
- CTE/CTSO week Feb 13-19 (see acteonline.org)
- Recognize those employers who hired your '02 graduates as found in your placement survey and verified in your data quality audit
- Student recruitment plans/options as January - March approaches.
 - Facility limitations? Renovations? Expansions/contractions?
 - Market share, scheduling style, instructional methodologies,
 - Teacher loads/course preps, instructional technology
 - Target efforts/resources to areas of determined needs
- Professional development needs identification/opportunities
 - Teacher professional organizations
 - Student opportunities/CTSOs
 - Personal/professional
- Teacher (staff) recruitment/retention
 - Gather copies of current certificates for VCTE faculty
 - Work on certification plans for under-certified faculty (Feb 28, '04 deadline for '04 fiscal impact)
 - Meet with appropriate teacher educators or ADE program staff to ascertain options
- Facility provisions and adaptations (planning)
- JTED membership and attendance verification (SAIS)
- **Professional Development**
 - Personal
 - Attend Local Director meetings monthly
 - Join ACTE, ACTEAZ (done if you attended summer conference) and ACOVA(done if you're at the Fall retreat)
 - ACTE Policy Seminar in Washington D.C., March, 2005.
 - ACTE Region V Conference in North Dakota, April, 2005
 - ACTEAZ Summer Conference in Tucson, July, 2005
 - Tour local industries, visit neighboring and/or similar districts.
 - Staff
 - Software applications updates
 - Faculty
 - ACTEAZ division associations' midyear conferences
 - VCTSO local, sub-state, and state leadership development events
 - University sponsored one day PD workshops
 - Industry sponsored one day workshops
 - Student
 - VCTSO local, sub-state, and state leadership development events
 - Discipline area events (Ford-AAA Troubleshooting, C-CAP, FIRST Robotics, etc.)
 - Scholarships